



1/598

SEQUENCE LISTING

<110> Daly, Mark J.
Hudson, Thomas J.
Lander, Eric S.
Rioux, John
Siminovitch, Kathy

<120> IBD-RELATED POLYMORPHISMS

<130> 2825.1025-002

<140> US 09/735,271

<141> 2000-12-11

<150> US 60/170,257

<151> 1999-12-10

<150> US 60/196,046

<151> 2000-04-10

<160> 2058

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<210> 6
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 <212> DNA
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<212> DNA

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gactctagtg cttctggctg gggccttcac tgaggccgc tagatgtgtt taagccaagc 420
ctgggcattt gagaaggccc agggcctagg acctgcagag tgtcaccggg agtacctgct 480
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tcaggccagg ggcagctgag gatccctacc catggccctg acgatcctct ttttctcct 600
gccctctagg ccgatacaaa gcaggggaaa aggagccaga tccaagacg tggaaggcca 660
actttcgctg tgccatgaac tcctgccag atatcgagga 700

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<210> 19

<211> 700

<212> DNA

<213> Homo sapiens

<400> 19

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tctggtagca taagagggtca ggggtacctt gccttctctc ttcaggccag gggcagctga 60
ggatccctac ccatggccct gacgatectc tttttctctc tgccctctag gccgatacaa 120
agcaggggaa aaggagccag atcccaagac gtggaaggcc aactttcgct gtgccatgaa 180
ctccctgcca gatatcgagg aggtgaaaga ccagagcagg aacaagggca gctcagctgt 240
gcgagtgtac cggatgcttc cacctctcac caagaaccag agaaaaggta tccaaggact 300
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gcctgcacca aggtgacag cccgtctgcc ccacagaaag aaagtcgaag tccagccgag 420
atgctaagag caaggccaag aggaagggtga gtgtggtcct aagcagccag gcctttggtc 480
acctgtgggc cagggtgagc agtggaagaa atgctaagggt gggcctgggc ctaagctgct 540
ttctccctcg acagtcattg ggggattcca gccctgatac cttctctgat ggactcagca 600
gctccactct gcctgatgac cacagcagct acacagttcc aggctacatg caggacttgg 660
aggtggagca ggccctgact ccaggtgagc tgggtccaggt 700

```

<210> 20

<211> 700

<212> DNA

<213> Homo sapiens

<400> 20

```

cagtggaaga aatgctaagg tgggcctggg cctaagctgc tttctccctc gacagtcag 60
tggggattcc agccctgata ctttctctga tggactcagc agctccactc tgcctgatga 120
ccacagcagc tacacagttc caggctacat gcaggacttg gaggtggagc aggccctgac 180
tccaggtgag ctggtccagg tctggcagga gacccacag gtcagtggga tgactcttc 240
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agggcgctcg atgtcttgca aactaagaaa gcacacaacc ttgacctgtg gcttctgctg 360
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ggaagtgttg ccggacagca ccagtgatct gtacaacttc cagggtgtcac ccatgccctc 480
cacctctgaa ggttgggtgct cctggggcct ggctgctg cttgactgtc tgggtcctgt 540
gaagggcttc ctgagagaga aaagatgatc agaactccac ctggcactga attgattgag 600
ttgggcattg cccagtctta gccaccatag ggggaggcaa gcgacgggga cactaggaag 660
gcagttcaga gtgggctgca gtacagtggg ggctgggtgag 700

```

<210> 21

<211> 700

<212> DNA

<213> Homo sapiens

<400> 21

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tcctggggcc tggcctgcct gcttgactgt ctgggtcctg tgaagggtt cctgagagag 60

```

```

aaaagatgat  cagaactcca  cctggcactg  aattgattga  gttgggcatt  gccagtcctt  120
agccaccata  gggggaggga  agcgacgggg  acactaggaa  ggcagttcag  agtgggctgc  180
agtacagtgg  gggctggtga  gaggagggaa  gggggccagg  ggctgcattt  tggggtgctg  240
gttctccttc  ctctctgtga  gccagcatc  tgagggtgag  gaaggaagta  gggtaggggt  300
gggaagcggc  gtggcttcag  ggtttgagag  gctgagtcac  caggccaggg  tcctgttctg  360
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gacagagaga  cagagaaagg  gcagggggat  ctgggtgggt  ggaactggaa  ctgcagggtg  480
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gatgaggaag  ggaaattacc  tgaggacatc  atgaaggtaa  agccccttcc  tacctgggca  600
ctcttgaagt  gaccgtttct  cagtgaggag  agagaaccag  tgaagcttcc  aaatcagagg  660
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```

```

<210> 22
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 22
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tcagttagga  gagagaacca  gtgaagcttc  caaatcagag  gatgggtagc  tgctgttgct  180
acctggctgc  ttgcattgtc  ccacaagtgc  cacattcacg  tggcttgact  ggtgggaaag  240
ccaccatggg  aagggaaggc  aggtgggagg  cctggcctct  gacaggccgt  cctgaagcaa  300
gccttggggc  atcagacagc  tctgtgagtc  aggcactatc  agcgatgggt  ccctggcctg  360
catcctctgc  cccaacatgc  cccagccctg  ctagttcggg  aaatgcacat  caggcttcaa  420
taatcagcct  ttaggatccg  ttaatatgat  gatggcttta  tagaaaaagt  tagcaaatat  480
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gcagtggctc  atgcctgtaa  tcccagcact  ttggaaggcg  aagggtgggtg  gatcacctga  600
ggtcaggagt  ttgagaccag  cctgactaac  atggtgaaac  ccattctctac  caaaaatata  660
aaaattagct  gggcctgggtg  gcgcctgcct  gtaatcccag  700

```

```

<210> 23
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 23
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atcccagcac  tttggaaggc  gaagggtggg  ggatcacctg  aggtcaggag  tttgagacca  120
gcctgactaa  catggtgaaa  cccatctcta  caaaaaatat  aaaaattagc  tgggcctggg  180
ggcgcatgcc  tgtaatccca  gctactctga  aggtgaggc  aggagaatcg  cttgaacctg  240
agaggcggag  gttgcagtga  gctgagattg  tgtcattgca  ctccagcctg  ggcaacaaga  300
gcaaaactcc  atttcaaaaa  aaagtttttg  cagtagttgt  acgccagctg  ttccattagc  360
ccaaaaaatt  gagacatgga  tgtcgttcct  tatctctagc  ttttctagtc  atcttttctt  420
gatttattat  gctaaccctt  gttttaagcc  acattccctc  ttactatgtc  cttacacagt  480
tgagagggaa  gtcgtggaga  tgctatacca  gagagtgggt  gtgagagggg  tgggaaaatg  540
aattgaggac  cagtgccaac  atgcatttct  gcctcctccc  tcccgggccc  ttgtcctgac  600
tgcagtgcac  ttctgcatcc  tatctgagat  tgtgaaaatg  gccaaagggtg  tgatactggc  660
tgagaggagc  tggctcattg  agggcagggc  cacagggtga  700

```

```

<210> 24
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 24
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catgcatttc  tgctcctctc  ctcccggggc  cttgtcctga  ctgcagtgca  cttctgcatc  120
ctatctgaga  ttgtgaaaat  ggccaagggt  gtgatactgg  ctgagaggag  ctggctcatt  180

```

```

gagggcaggg ccacaggggtg agtctgcact ggaagggagt tgatagcctc ttgctcttct 240
gtccccagct cttggagcag tcggagtggt agccaacaaa cgtggatggg aaggggtacc 300
tactcaatga acctggagtc cagcccacct ctgtctatgg agacttttagc tgtaaggagg 360
agccagaaat tgacagccca gggggttaaga aggccctgga tccttatggc ttcttagatg 420
agggagaacc acgtagggat ggagaaagct tgggggcagg gccagggagc agggcggtaa 480
agcatctggg gtactgacac attgtgaatt agctacggct gccatgcctt aaggtttgcc 540
tgaagctgag tggatgttta ctgctgtgct gggaagagca gaggccatgt ctatggcctt 600
caggggtagg gggaagcaca cctgatgcc aagtcacctt cctcataca accttcttca 660
catcttctag gggatattgg gctgagtcta cagcgtgtct 700

```

<210> 25
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 25
cattgtgaat tagctacggc tgccatgcct taagggttgc ctgaagctga gtggatgttt 60
actgctgtgc tgggaagagc agaggccatg tctatggcct tcaggggtag ggggaagcac 120
acctgatgcc accgtccctt accctcatac aaccttcttc acatcttcta ggggatattg 180
ggctgagtc acagcgtgtc ttcacagatc tgaagaacat ggatgccacc tggctggaca 240
gcctgctgac ccagtcggg ttgccctcca tccaggccat tccctgtgca ccgtagcagg 300
gcccctgggc cctcttatt cctctaggca agcaggacct ggcatcatgg tggatatggt 360
gcagagaagc tggacttctg tgggcccctc aacagccaag tgtgaccca ctgccaagt 420
gggatggggc ctccctcctt gggtcattga cctctcaggg cctggcaggc cagtgtctgg 480
gtttttcttg tgggtgtaaag ctggccctgc ctccctggaa gatgaggttc tgagaccagt 540
gtatcaggtc agggacttgg acaggagtca gtgtctggct ttttcctctg agcccagctg 600
cctggagagg gtctcgctgt cactggctgg ctccctaggg aacagaccag tgaccccaga 660
aaagcataac accaatccca gggctggctc tgcactaaga 700

```

<210> 26
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 26
gctggccctg cctcctggga agatgaggtt ctgagaccag tgtatcaggt cagggacttg 60
gacaggagtc agtgtctggc tttttcctct gagccagct gcctggagag ggtctcgctg 120
tactggctg gctcctaggg gaacagacca gtgacccag aaaagcataa caccaatccc 180
agggctggct ctgactaag agaaaattgc actaaatgaa tctcgttccc aaagaactac 240
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ggctcctcgg ggcgatgctc cctcagcctc agaggagctc taccctgctc cctgctttgg 360
ctgaggggct tgggaaaaaa acttggcact ttttcgtgtg gatcttgcca catttctgat 420
cagaggtgta cactaacatt tccccgagc tcttggcctt tgcatttatt tatacagtgc 480
cttgctcggc gccaccacc cctcaagcc ccagcagccc tcaacaggcc cagggaggga 540
agtgtagcgc ccttggtatg acttaaaatt ggaaatgtca tctaaccatt aagtcatgtg 600
tgaacacata ggacgtgtgt aaatatgtac atttgtcttt ttataaaaag taaattgttt 660
ataaggggtg tggccttttt agagagaaat ttaacttgta 700

```

<210> 27
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 27
cccctcaagc ccagcagcc ctcaacaggc ccagggaggg aagtgtgagc gccttggtat 60
gacttaaaat tggaaatgtc atctaaccat taagtcatgt gtgaacacat aggacgtgtg 120
taaataatgta catttgtctt ttataaaaaa gtaaatgttt tataaggggt gtggcctttt 180
tagagagaaa tttaacttgt agatgatttt actttttatg gaaacactga tggacttatt 240
attggcatcc cgctgaact tgactttggg gtgaacaggg acatgcatct attataaaat 300

```

```

ccttttcggcc aggcgcggtg gctcacacct gtaatcccag cacttttggga ggccgagatg 360
ggtggatcac ctgaggtcag gagttcgaga ccagcctggt gaaactccat ttctactaaa 420
aatgcaaaaa ttagctgggc gtggttgcggt gtgcttgtaa tcccagctac tcaggaggct 480
gaggcaagag aatcgcttga acctgggagg tggagggtgc agtgagccga gaacatgcca 540
ttgcactcca gcccgggcac caaaaaaaaaa aaaaaaaaaa aaacctttca tttggccggg 600
catggtggct tatgcctgta atcctggcac tttgggaggc caaggtgggc agatcacctg 660
aggtcaggag tttgagacca gcctggccaa catggtgaaa 700

```

<210> 28

<211> 700

<212> DNA

<213> Homo sapiens

<400> 28

```

aacctgggag gtggagggttg cagtgagccg agaacatgcc attgcactcc agcccgggca 60
ccaaaaaaaa aaaaaaaaaa aaaacctttc atttggccgg gcatggtggc ttatgcctgt 120
aatcctggca ctttgggagg ccaaggtggg cagatcacct gaggtcagga gtttgagacc 180
agcctggcca acatggtgaa acctcatctc tactaaaaat acaaaaatta ggccgggcac 240
ggtggctcac gcctgtaatc ccagcacttt gggaggcaga ggccgggcgga tcacgaggtc 300
aggagatcaa gaccatcctg gctaacacgg tgaaaccccg tctctactaa aaatataaaa 360
aattagccgg gcctagtggc ggggtgcctgt agtcccagct actcgggagg ctgaggcagg 420
agaatggcat gaaccccgga ggcagagctt gcagtgagcc gagattgcac cactgcacta 480
cagcctgggc gacagagcga gactccgtct caaaaaaaaa aaaaaaaatt agccgggcct 540
ggtggcgggc gcctgtaatc ccagctactg tggaggctga agcacaagaa tcacttgaac 600
ccgggagatg gaggttgtag tgagctgaga ctgtgccact gcactccagc ctgggtgaca 660
agagtgagac tttgtctcaa aaaaaaaaaa atccttttgt 700

```

<210> 29

<211> 700

<212> DNA

<213> Homo sapiens

<400> 29

```

agactccgtc tcaaaaaaaaa aaaaaaaaaat tagccgggcc tggtaggggg cgcctgtaat 60
ccagctact gtggaggctg aagcacaaga atcacttgaa cccgggagat ggaggttgca 120
gtgagctgag actgtgccac tgcactccag cctgggtgac aagagtgaga ctttgtctca 180
aaaaaaaaaa aatccttttg tttatgttca catagacaat ggcagaagga ggggacattc 240
ctgtcatagg aacatgctta tataaacata gtcacctgtc cttgactatc accagggctg 300
tcagttgatt ctgggctcct ggggccaag gagtgtaag ttttgaggca tgtgccatag 360
gtgatgtgtc ctgctaacac acagatgctg ctccaaaaag tcagttgata tgacacagtc 420
acagacagaa cagtcagcag cccaagaaag gtccctcacg ctgctgtgct gggtagcact 480
tgccatccag tttctagagt gatgaaatgc tctgtctgta ccgttcaata cagtaggcac 540
tggcactagc cacatgtgcc agctaagcac ttgaaatgtg gccagtgcaa taaggaattg 600
aacttttaat tgcatttaat aaactgtatg taaatagtca catgtggtca gtggttacca 660
tattgaacag tgcaggtaga tactggactg ggggcagatc 700

```

<210> 30

<211> 700

<212> DNA

<213> Homo sapiens

<400> 30

```

tgatgaaatg ctctgtctgt accgttcaat acagtaggca ctggcactag ccacatgtgc 60
cagctaagca cttgaaatgt ggccagtgcata ataaggaatt gaacttttaa ttgcatttaa 120
taaactgtat gtaaatagtc acatgtgggtc agtggttacc atattgaaca gtgcaggtag 180
atactggact gggggcagat ctgagggaga ggggtttgag tagtgggagg aactgggga 240
taggggcttg gggctattta cctgccattt tgagtagttt gctatttttag cagccaacaa 300
taactattgg tgctgaatac cagccctgca gtgtagcatg agacagggtc atgcacacat 360
gcattaggaa aacaccttca tgaagcagga ttctgcctgg gctgatgcac acaacctcta 420

```

```
tggagggttaa acagtgtttc tgaagaccgt agtttgggaa cccctgacat atgacaatgc 480
ccccttagat aagctcaagt tacaggaatg tctgagggtg gaagggtgtg atatgtgctt 540
ttcctgtctc cctcttcagt gtctggccat ggggcataaa cactaccag cagtaggtag 600
gctggccaag agaagccagc ttgcatcacc agcatcatct agggaatgga atcatggcag 660
taatacgttg cttaggaaac aaaagctcta tggacacatc
700
```

```
<210> 31
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 31
ttacaggaat gtctgagggt ggaagggtgtg gatatgtgct tttcctgtct ccctcttcag 60
tgtctggcca tggggcataa acactaccca gcagtaggta ggctggccaa gagaagccag 120
cttgcacac cagcatcac tagggaatgg aatcatggca gtaatacgtt gcttaggaaa 180
caaaagctct atggacacat cttccacctt ctcagtccca gaaaccatat gtactgtgac 240
cccgtcact aggccagacc ctcgggaaga gtgtgggccc ttgaaaaggg aagactgagt 300
gagaaaatga tgagaaaact acaaaatggg cagaggctag tctgacacat tcattctctg 360
tcaagctcag gaagtactgg tccctgatct tggagatgct gtgtgagtgg cagggggact 420
cctgctgggt aaatattcta tatgtggatg cctggacagg cccctatccc aggccctgct 480
tgtcagaagc tccccttggg ccgagcgagg tggctcacac ttgtaatctt ggcaacttgg 540
gaggccgagg caggtggatt gcctgagttc aggagttcaa aaccaggctg ggcaacatgg 600
tgaaacctg tctctactaa aaaaaaacta accaggcgtg gtggtgcatg cctgtaattc 660
cagctactag ggaggctgag gcaggccaat cacttgaacc
700
```

```
<210> 32
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 32
gccgagcgcg gtggctcaca cttgtaatct tggcactttg ggaggccgag gcagggtggat 60
tgcttgagtt caggagttca aaaccaggct gggcaacatg gtgaaaccct gtctctacta 120
aaaaaaaaact aaccaggcgt ggtggtgcat gcctgtaatt ccagctacta gggaggctga 180
ggcaggccaa tcacttgaac ccaggaggtg gaggttgtag tgagctgaga tcacgccact 240
gcactctagc ctgggcaaca gagcgagact ctgtctcaaa aaaaaaaaaa aaaagaagtt 300
ctacttggaa gctccacttg gatttctcaa gaatagcttc acctgggaac agagggaatg 360
acaggatgga cttttccagc tccttcaggg accagccctt tttaagattt ggattgagg 420
ggctagccac ctgtggcttc catctgggtt ctctagtgg gtgatggcag gtggtgcaga 480
gcaaggtaga gtggactgac gggaggaaag tgataccacc cagaacaagc agcagctctg 540
acttcttttt ctctgccc tcaatctaata cctgatgga gggtaggcag tgagtatgtg 600
aagtcttagg cagctgtgga aatctctcaa gttctaaaag caaagttaat tgcttgtaaa 660
ttaccaaaaa gagagaggaa ttatgtccat cagcttccaa
700
```

```
<210> 33
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 33
cgggaggaaa gtgataccac ccagaacaag cagcagctct gacttctttt tctcctgccc 60
ttcaatctaa tccctgatgg agggtaggca gtgagtagt gaagtcttag gcagctgtgg 120
aaatctctca agttctaaaa gcaaagttaa ttgcttgtaa attacaaaa agagagagga 180
attatgtcca tcagcttcca atctccacaa ccaagatgga gtctcaatt tccccatccc 240
ctctgatccc aggagtcta aatgattggt agcaattgct tggaaatctc agggagggac 300
ctcaaaactc tcccctggcc cccatcacia tggagctggg tcttagggac caagcctgga 360
gtagtgtggg atagagccag acctttcagg atggagagct gtcccatcac atcctaccaa 420
gacttcagcc ttttcttagg aaaagaaact aaataaggct tgacagctca cctaaagggt 480
atggcagctg acactaccga gtcattagcc aaacagtgcc tgaaacggag cagtattagt 540
```

```

aagatctgaa ccaagtttgt gcttaataat tagatcattc taaggacctg acagtgcctc 600
tgtgggtcat tctcaagagt ttcagtataa gcaactaatgg tggaagttct aggttgaggg 660
agctaggagg ttgttgaaag atctgttttg ctgggggttg 700

```

```

<210> 34
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 34
agtcattagc caaacagtcg ctgaaacgga gcagtattag taagatctga accaagtttg 60
tgcttaataa ttagatcatt ctaaggacct gacagtgcct ctgtgggtca ttctcaagag 120
tttcagtata agcactaatg gtggaagttc taggttgagg gagctaggag gttgttgaaa 180
gatctgtttt gctgggggtg tgatgagata actgtcatca aggaccactt tccactgggg 240
taaaactgaca aaagtgggtg tcagccacac cagctagatt tctcatgttg ggccaagtgt 300
acagacattt gcgggcatth gtgggttagtc atgggtttcc ttgccttaac tccaaaaggg 360
tatagctggc tggtcacttt cattgggctg gtttattcat tcagctcact tggcaatagg 420
aagaaagcta gaagctaata ggcaaaccat cccttcttgg tgtgtcagct ttcaacatct 480
ctcagtgacg tgtgtgcagg gtgttgtgac cattacaact ccaaaggaaa gagctttctc 540
tgatttttct ggaagtctcc agtggggcct gccaaagtgg gaactgaaat cctggggtag 600
ccctgggaag tggagttttt ttctctagga gtgatgtctc ctggttggtg gggctgggaa 660
acagccaggt tgtcattctc tgggaccact tgatctttca 700

```

```

<210> 35
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 35
ggtgttgatga ccattacaac tccaaaggaa agagctttct ctgatttttc tggaagtctc 60
cagtggggcc tgccaaagtg ggaactgaaa tcctggggta gccctgggaa gtggagtttt 120
tttctctagg agtgatgtct cctgggttgg ggggctggga aacagccagg ttgtcattct 180
ctgggaccac ttgatctttc aactgtgtga cagatccaaa actctgccct tatacttgga 240
ggggaaaggg ggtacagatg tcctccaggc agtcctgttg gagcaccag ggctaataata 300
gtgaccctat agaaagcttt tgtctctgtc agatgtaatg ctgttcctta acttgggcac 360
aactgatctt ccaattcatt agaactcagc actaaccttt cccagttct gctggctgtc 420
acagaggaag gaggcctggg gtgggagaag ggaagctgg tgccctcctt tccagggggt 480
gaaagtactt ggcagggtgg agcttggctt tatcatccgg agctcccttg tggggccaag 540
tctaaggcct cagaagggtg tagctggctg gccgcatagt ttctctagct ccaggcagct 600
ctcaagagac ccatttatgc tggttttctc agggtaagga gttacagaag tccacctctg 660
ctggctcagt ggtaagacac aagcctgcag agtctgctga 700

```

```

<210> 36
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 36
gagcttggct ttatcatcgg gagtccctt gtggggccaa gtctaaggcc tcagaagggt 60
atagctggct ggccgcatag ttttcttagc tccaggcagc tctcaagaga cccattttatg 120
ctgggtttct cagggttaagg agttacagaa gtccacctct gctggctcag tggtaagaca 180
caagcctgca gagtctgctg agtgaaactt cagctgggga gatactggag gctatggagc 240
aaggacatgg ggactgaatg aaagagggga ggcagacgtc cagcccacca ttctcacc 300
aaggagatga tcccacaagc tcacaaatga gcagaactgg aaaagacctc aaagtgtggc 360
tggataatgg caacacaggc ctcgagtgtc cactttgtgc tgggtgctat gccaaagcacc 420
acgtgtgtac cacggcactg gcacccacc acggcccttg ttcacagacc aggaaaccaa 480
ctctcaccac ctaatcagta tggagccttg gttccaaccc acatcatcta tctgtgcca 540
gaatccaggt tggttccata tcaggctgcc tgagagaaga acacggaggc ctgcacaaga 600
agctggggag agctagcaag gggcagggcc cgagcacctt atgccaagca agcacttgtg 660

```


gatgctgagg gaaggcggca aaagctgcag ctgctgtgct

700

<210> 37

<211> 700

<212> DNA

<213> Homo sapiens

<400> 37

atggagcctt	ggttccaacc	cacatcatct	atctgtgccc	agaatccagg	ttggttccat	60
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ggggcagggc	ccgagcacct	tatgccaaag	aagcacttgt	ggatgctgag	ggaaggcggc	180
aaaagctgca	gctgctgtgc	tgccctgect	tcagctctcc	tcccttcccc	cagcacacac	240
accttccaac	acccctggca	acatggctct	gccgctacag	gccccagggc	cccaacaggg	300
tagggtttgc	cccacctatg	ccctggaggc	cacctgcagt	ttcgaagggt	ggggccccag	360
ggggccgaga	cacagacagg	cttgtaactt	ggcctcagtg	cagggggcag	cttggccaca	420
ccaggcctgt	ttggagcaaa	cgggggactc	tggcctgcta	ggccttatct	cagctcccag	480
gatcaaagag	gacttttttag	ccatgtttct	gtctcagcaa	gacaacctag	tctcctgttc	540
tgctttaaac	cagaccctct	gttgggtcct	ggagttcctc	agaggtctgg	accctggatg	600
gctgtgagac	tcaggaccat	gcacagatgc	attctcattc	ccagccacca	ggctcgggtc	660
agaccctatg	gctctggtgg	gcctaattcc	tggtttcttg			700

<210> 38

<211> 700

<212> DNA

<213> Homo sapiens

<400> 38

gccatgtttc	tgtctcagca	agacaacctta	gtctcctggt	ctgctttaaa	ccagaccctc	60
tggttgggtcc	tggagttcct	cagaggtctg	gaccctggat	ggctgtgaga	ctcaggacca	120
tgcacagatg	cattctcatt	cccagccacc	aggctcgggt	cagaccctat	ggctctgggtg	180
ggcctaattc	ctggtttctt	gatccctgag	aacacctggc	acctctggct	gctggccagt	240
tgccacctta	catcaggcgg	gcgctgggat	tcacctgcag	gcttccctta	gggaaggccc	300
tcccttgccc	tctgtgcca	gccagagggg	gcagcctggg	tgaggtcttc	acatccattt	360
cgggccaaat	gccttggatt	ggctggatcc	cctcctgttt	ctgccctcct	tctttccttc	420
aaagcaacaa	ggttgtgggg	gtgtccagtt	ctgctaccac	ctctccctca	cactgtcaat	480
ctggaatttg	tccagaattg	gggcccaggt	agtgaattct	tacacagtgg	ttaaacaac	540
aaacaacaa	aaaccccaca	caactcagct	acaccttggc	tcagagaggc	catgggatat	600
accgaggatc	tcagatcagg	agggaggccc	ctggagaggt	gtggcgggga	tcatgtgctt	660
ctctggtttc	ttggagaaaag	ctgactttgt	gtaacaaggg			700

<210> 39

<211> 700

<212> DNA

<213> Homo sapiens

<400> 39

ggggcccaag	tagtgagttc	ttacacagtg	gttaaacaac	caaacaacaa	aaaacccac	60
acaactcagc	tacaccttgg	ctcagagagg	ccatgggata	taccgaggat	ctcagatcag	120
gagggaggcc	cctggagagg	tgtggcgggg	atcatgtgct	tctctggttt	cttggagaaa	180
gctgactttg	tgtaacaagg	gaggcatatg	gacatggagt	tggtgttttg	ggatgtggga	240
accattaggg	cagaattaca	agaagtcctg	tcatgtcggc	cacactaggg	caacagtggg	300
ctggggcagg	ggctgatgac	ctgattgtgg	aggcagtggg	gggctgtttc	tgctggggac	360
ccagggtccc	cctccaagtg	ctcctgcttg	gcttgttggg	atggggagag	gagctggagt	420
tgggatgggg	agaggagctg	gagttgggat	gggtcacagc	gaaggctaca	gcctggcatt	480
cccatatggg	gtaggggtgg	ggtggggtgg	gacagggagg	aggacctgaa	ggggtgtcca	540
actttccgag	acttggaaca	gcctggtgag	tgttcatcac	cattcttctg	tcataggtgg	600
cgagcagcca	gagttctggg	cacaggagac	catctacccc	caagcttgtg	cggcctgcct	660
caggtcactg	aagaggaccc	catttttgggt	ctttggccat			700

<210> 40
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 40
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agcctggtga gtgttcatca ccattcttct gtcataggtg gcgagcagcc agagtctctg 120
gcacaggaga ccatctaccc ccaagcttgt gcggcctgcc tcaggctact gaagaggacc 180
ccatttttgg tctttggcca tcctaagact tgtacaatgg agcctgggg ccctcccttc 240
tctgaccagt gacagccctc acaggcaaag cctcaccctc tagggcctgt cccttcctgt 300
ctgccagtcc ccacaggggtc tgcggggtac ccaatctcgc caaccagact ggaagctccc 360
caggggcaag cagcttatct ctccatatt ctcacagtgt tcagccagga ttggcacttc 420
agagcatctc ctgctgctca gcagagatgt agttagcatc tctctatagt agcactttct 480
gagtccctcc cctgggggaa ccaggctaga ctctggggtc cagaggagca ggcaggctga 540
gaggcaaaaa gggcacagag gaataaccaa ccctgcccct gcagtagagc cctgggcaaa 600
acaggccatg accaaccagc agccaagggt aaagtcccca gaacaagggc cagtgtgtgc 660
atgacatgca gcaggaccgc ttgtctcttt cggcagtact 700
```

<210> 41
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 41
accaggctag actctgggggt ccagaggagc aggcaggctg agaggcaaaa agggcacaga 60
ggaataacca accctgcccc tgcagtagag ccctgggcaa aacaggccat gaccaaccag 120
cagccaagggt caaagtcccc agaacaaggg ccagtgtgtg catgacatgc agcaggaccg 180
cttgctctct tcggcagtac tggagataga aggtgagtc attaacaact ttcttttatt 240
aaaaatgtac ataagtaaaa ggaacatggt ttaattgtgc aaagagtaag aaatacagat 300
gagcaaataa caggtattaa agccacctac gatataccac ccagaagtaa ccaggctggt 360
gaatttttag agactgggggt gcaaacacat tttttcactc ccttgtgcat atatctggga 420
gctctgccat atacagacac agacgcggtg tccacaggcg atgcctctgc tgggaatgct 480
gcaagcagga gtctatcctt tcctggtact ggctcggggg ccctcctcag cgcccaggtc 540
actctagcat ccaggagtcc aaaggcccgg ctgtgcaggc tgcagagggtg atctagagta 600
gattaggagg tgcaaaaggc ttggagatag gctgaccaac tgttccagtt tgcttaggac 660
tgaggagttt ccaggattt gggactttca gtgctaaaac 700
```

<210> 42
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 42
ttcctggtac tggctcgggg gccctectca gcgccagggt cactctagca tccaggagtc 60
caaaggcccg gctgtgcagg ctgcagaggt gatctagagt agattaggag gtgcaaaagg 120
cttgagagata ggctgaccaa ctgttccagt ttgcttagga ctgaggagtt tcccaggatt 180
tgggactttc agtgctaaaa ctgggaaagt cccaggcaaa ccagggccag ttggtcacc 240
tcctgaggg ccaaaggctt tgtcctgcc ctctgcccgt gtgctcccca tctgccctcc 300
tgctgggggt ctggatcccc catccccaca ccaagcagcc caggggacaga ggcctggctg 360
gggccttgcc tcccgaggaa gctcctgaaa gttccagcct gaggcctagg gagggacagg 420
ggaaagggaa taaattaagg cagacagtct gtcacacccc aagaaaagg ccagggtgaac 480
tgtggctgtt aagggcagct agggatgtac aagcagaagg gtccaatac ttggctggcc 540
acccctccag ccctggagct gagtgtgtgg tcccagagg ccccagagcc agagaagtgc 600
agggtgtctg gattgaaagg cctcagctcc ctgggctccc agagccctgg tgcctcaggc 660
cttaccttcc ccctcctcca tctccacacc ccctggcact 700
```

<210> 43
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 43

```

tagggatgta caagcagaag ggttccaata cttggctggc caccctcca gccctggagc 60
tgagtgtgtg gtccccagag gccccagagc cagagaagtg caggggtgtc ggattgaaag 120
gcctcagctc cctgggctcc cagagccctg gtgcctcagg ccttaccttc cccctcctcc 180
atctccacac cccctggcac ttctgctca gctcttctct acctaagact gggagcagag 240
gatgaaggaa gaggaatcca ggacagaccg agctgaaaga ggagcaggca ggtgggaggg 300
gacttgggta gaaaggacct ctctgatagt ggcaggaaca tcctgactgt ggtctggccc 360
agccggctgt ctatgcctga ggatgcctga ggatgggggg cccttgaaa actcagaaga 420
gaggctaggt gtggaaggca gagtattggg ccacagtgga ataaagaggg ccacgtccta 480
atgcatgagc ctatgaatat gttgctacat ggcaaagagg aattaaaact gcagatggaa 540
ttaaggttgc taaccagctc acttgcaaat agagagatta ccctggatta ttggtgtggg 600
cccagtgtaa tcacaagggt tcttaaataga agaaggagga ggcagaaggg tcagaaccag 660
agagatcgca ttgtgaaaaa cctgaccagc cagtgtctggc              700

```

<210> 44

<211> 700

<212> DNA

<213> Homo sapiens

<400> 44

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tgttgtaca tggcaaagag gaattaaaac tgcagatgga attaaggttg ctaaccagct 60
cacttgcaaa tagagagatt accctggatt attgggtgtg gccagtgtg atcacaaggg 120
ttcttaaatg aagaaggagg aggcagaagg gtcagaacca gagagatcgc attgtgaaaa 180
acctgaccag ccagtgtctg ctttgaaagt ggaggaaggg gttgcaggcc aaggaaatgca 240
ggcagcctct aaaagctgga aagggaaggg aaggaaaggg attctccact agagcccca 300
ggaagaaatg cagctctgtt gacaccttga gtttagccca gtgagacctg ttttggactt 360
ctgactacag aactataaga aaagaaacgg gccagggtgca gtggcttaca cctgtaatcc 420
tagcactttg ggaggctgag gcaggcagat tgcttgtgcc caggagtgtt agaccagcca 480
gggcaacata gtgagacctt gtctctataa agtatacaaa aaattagcca ggtgtggtag 540
cacgtgcctt tagtctctgg tacttgggag gctgaggtag gaggatggcc tgagcccagg 600
agggagaggt tgcagtgagt caagattgag ccactgcact ccagcctgag tgacagagca 660
agaccctgta tccaaaaaaa taaataaata aaaaattgtg              700

```

<210> 45

<211> 700

<212> DNA

<213> Homo sapiens

<400> 45

```

tgtctctata aagtatacaa aaaattagcc aggtgtggta gcacgtgcct ttagtcctgg 60
ctacttggga ggctgaggta ggaggatggc ctgagcccag gagggagagg ttgcagttag 120
tcaagattga gccactgcac tccagcctga gtgacagagc aagaccctgt atccaaaaaa 180
ataaataaat aaaaaattgt gttgttttaa gccctgttt atgataattt gttagagcag 240
caataggaaa ctgatccact gggaaacat ttgggggatg cagctgcca aaatccctgc 300
acgtggggtt gactcagcct cacaaggctc tacagcctct ctgtgaaaga ctccattccc 360
tctgggagaa gctcagactc taaagccctg ggcagggaat gggcctccat ggcatggagg 420
gggtcaagaa ggatgcccc caggatagtg cctctgctgg acctctctat aggaagcagc 480
tgcctctttg agccccctc ccaaacctca gtgagctgag gtgctggctc tgagtgggtca 540
tggaggggct tgcctgaggt caggccacct aggcagcta gtcagaggcc acagggcttg 600
gcttaagatt cccaggaagg agttgcatgg cccctccaca catccgaat actcataaca 660
ctctcagctc ttggccttac taagggaata ctaaggggac              700

```

<210> 46

<211> 700

<212> DNA

<213> Homo sapiens

<400> 46

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cccaaaccctc agtgagctga ggtgctggct ctgagtggtc atggaggggc ttgcctgagg 60
tcaggccacc taggacagct agtcagaggc cacagggctt ggcttaagat tcccaggaag 120
gagttgcatg gccctccac acatccgcaa tactcataac actctcagtc cttggcctta 180
ctaagggaat actaaggga ctcagtttag ctctggaaaa gctaggacta ctggaaaaaa 240
aagtatagag gaaaaaaaaat agttactgga tgccagccag atctgcaaaa agtccccact 300
ctgccactta ctagctatgt ggctcaaat aagccactag accttttgta gcctcagttt 360
cttcactctgt aaaatgggta taacatcatt tgtcttatct gtctcacagg gtgtgtgagt 420
ctcaggtgag ataacacacg agaaaacatt gtgcgcgaca acttgagatg caaacagtaa 480
cgatcacaaac cccacatgcc ttttgatagg gtgaatgatc acagcatcct gtgttaggga 540
ggaaaggggtg agcacagacg cttcaaaact ctgtcttacc cataggcaga aggggtgtagc 600
ctggccagggt gagaaaagga cccagccact gccaccgccc cgcagctcac accggatgtg 660
cgacagagcc accatgcagc cccacaggat gtctctcaac 700

```

<210> 47

<211> 700

<212> DNA

<213> Homo sapiens

<400> 47

```

cttttgatag ggtgaatgat cacagcatcc tgtgttaggg aggaaagggt gagcacagac 60
gcttcaaaac tctgtcttac ccataggcag aagggtgtag cctggccagg ggagaaaagg 120
accagccac tgccaccgcc ccgcagctca caccggatgt gcgacagagc caccatgcag 180
ccccacagga tgcctccaa cactacaga ctgtggggct ttgctttttt tttttttttt 240
ttttttttta agaaaaagggt tttctagttt cttctacatt aaaaacaatc cctccttctc 300
ataaagcaca attttacaga ggaaggga gatgtgaaac tatacacaat tcaaatctaa 360
ttaatatata atttttttgt ggaatacaga tggagggaat acatcacaat actaaagggtg 420
attatctttg gatggtggga ttacaggtga ttatatattt tttatatctc tatagttaa 480
aaatattcca tgatgacctt taattacttt tacttatttt ttgagacaaa atctcacctc 540
gttgaccaag gctggagcgc agtggtgcaa tctcggtta gtgcaatctc ggtgtagtct 600
cgacctcaca ggctcaagtg atcctccac ctcagcctcc ggagaagctg ggactacagg 660
tacataccac catgcccagc taattttttg tagagacagg 700

```

<210> 48

<211> 700

<212> DNA

<213> Homo sapiens

<400> 48

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ataattactt ttacttattt tttgagacaa aatctcaccc tgttgacca ggtggagcg 60
cagtggtgca atctcggtt agtgcaatct cgggtgtagtc tcgacctcac aggtcaagt 120
gatcctccca cctcagcctc cggagaagct gggactacag gtacatacca ccatgccag 180
ctaatttttt gttagagacg gatttcgcca tgttgtccat gctggtctcg aactcctgag 240
ctcacataat cctcctgcct cggcctccca aagtactggg attataggtg tgagccacct 300
tgactggcct ataattactt ttataatcag aaaaaaaatt ataaataaat atgaaaagt 360
ccaggaactt tcttttgtag agccacacac tgggctcaag gaatcatttg agctgggttc 420
tgcaggggtg ggagtcttgg cgcgggccct ggtccttgct gtgtgacct ggagactcac 480
tactttccct ccctggcctt tgtttgcctg gtaagacaag atgctcccta gggctccttg 540
cagcttaata agtaaagtat tcgccttggc ctcacccatc ccagctcttt gccagcttc 600
cagtgaactc tctgtgctg gagagaagg caagcgctt actcatgcct tgagggtgct 660
gaccacttcc gtcaccagcc tcgctccttc cagacctgcc 700

```

<210> 49

<211> 700

<212> DNA

<213> Homo sapiens

<400> 49

```

ttgtttgcct ggtaagacaa gatgctccct agggctcttt gcagcttaat aagtaaagta 60

```

```

ttcgcccttg tctcatccat cccagctctt tgcccagctt ccagtgactc ctctgtgcct 120
ggagagaagg gcaagcgctt tactcatgcc ttgagggttg tgaccacttc cgtcaccagc 180
ctcgctcctt ccagacctgc cctgggagtc cctgcctcct ggccttcacc tgcatacacg 240
tctgcacttc tcagagccct gcccttcctt gaagaacaaa gcctggccaa attgtgtcag 300
ccttctggcc tgcagtgacc cctgcttaca ttgtacataa caatagctat aacttattga 360
cattaacttc aggtcacata gcaaaaagtgc tctcatttaa atcttaggcc accagaggat 420
ccatagacta aaatgttaac agcatctcct ggagttgttg agtggtgga ccctatgtga 480
tcctcctgtg ccactgagag atatattatt aaccagttt cactgataag ataactgagg 540
ctcagagagg tcaagtaact tgcccatggg cacacagtgg gtccatggca gagctgggag 600
gtgatcccta gtcagttccc tccaagtcca ggattttctc actcccacaa tgggtgtctc 660
cttaatgact ctcacattcc agcctctgag ggcaggaagg 700

```

<210> 50
<211> 700
<212> DNA
<213> Homo sapiens

```

<400> 50
gatatattat taaccaggtt tcaactgataa gataactgag gctcagagag gtcaagtaac 60
ttgcccattg tcacacagtg ggtccatggc agagctggga ggtgatccct agtcagttcc 120
ctccaagtc aggttttct cactcccaca atggtgtctc ccttaatgac tctcacattc 180
cagcctctga gggcaggaag ggtatgttct gagttgaaca cacagagagc actcaatgat 240
gtctggtggt gaagatgtta atcatgagct caatcaaggt ttatcattaa atcaacaagt 300
cttctagtg tgtctgggag ctctggggcc cagggacagg cctactgtag ttcagtgttg 360
tattctggca cctggtggtt tctggcacat agcccattgt cattaaatga catgaattga 420
ttgtccattc aaataataaa acaataaata aataatacta gctaacaggt atggagtgcc 480
tacaagccag ccacctcagg gagtttccag gacagttgag gagaaacata aactgttgga 540
caagagctac aacgtagggt tttacaccaa aacagtgtct acgtaaacag tgtctatcaa 600
agagagaaaa atgatggga gacacctga tccttccac agtgctaaag gccatgccag 660
ccactgtccc cattacgact tgcatatact gactgccgaa 700

```

<210> 51
<211> 700
<212> DNA
<213> Homo sapiens

```

<400> 51
ggagtttcca ggacagttga ggagaaacat aacactgttg acaagagcta caacgtaggg 60
ttttacacca aaacagtgct tacgtaacaa gtgtctatca aagagagaaa aatgatgggc 120
agacaccctg atccttccca cagtgtctaa ggccatgcc gccactgtcc ccattacgac 180
ttgcatatac tgactgccga agcacacaaa cctgaatttt ccgtctgcat ccactgttct 240
gtctgttcgg atcacatctg gatactactg ttgcctctcc agactggata accagtctgc 300
tgagggccag aagatggtga gatggaaact agtcatgttt acttgagaa gagaaatgaa 360
gaccgtcttt aacacctgac aggttgctct tccaagagg ggccagagg caacagccat 420
ggtcaacagc tccaggcacc cctgaggaag cctgtccag ctggcagggt tgtctggcaa 480
gggaccagtc cctcctctgg agaagtgtg agcccagtgg gctgcctctc cagcaggatc 540
ctgtagagac ctactctct acaatgcaca ctccacacac ttgtcactt gacaaacact 600
tattataact gtcaccctgg gccattcca ggttagggac ataaggatga ataaaacaag 660
gtctgtacca gtagagaaca tcagtcccct aggggagaaa 700

```

<210> 52
<211> 700
<212> DNA
<213> Homo sapiens

```

<400> 52
gagaagtggg gagcccagtg ggctgcctct ccagcaggat cctgtagaga ccttactctc 60
tacaatgcac actccacaca cttgtcact tgacaaacac ttattataac tgtcaccctg 120
ggccattcc aggttaggga cataaggatg aataaaacaa ggtctgtacc agtagagaac 180

```

```

atcagtcctcc taggggagaa agtcaggaaa gcctcatcct gagccttoga ctccttactg 240
tccatcctctc aggctcctgt ctcagcttct gctgaaggct atttcttcc ttgtattctg 300
cagtgaccag gcatatggca gataatcaac aaatacaggc atccctgaag agggatcct 360
gggataaaaag cccagctgg atcagtgcta tacaggggcc aactgggggt gggttccagg 420
cagggtcatt tgcaagggtc cctctgcccc ttcaagtctc gccagacagg ccttgcccat 480
ggtttcttcc tgccctgtc ccctgaccac agttgatctc cctggctgt tatgaaatgt 540
caaagaatgt cctgcaatcc taaattccat aatgatctt atcttctgtt ccctctgagg 600
ctcctcaatc tgcaagtaaca gctgtggttc agcaagcagt gcggcactct ggagtgtgt 660
tctgaaacag ggccggcgtg gggcagagct catctgctgc 700

```

<210> 53

<211> 700

<212> DNA

<213> Homo sapiens

<400> 53

```

ccccgacca cagttgatct cccctggctg ttatgaaatg tcaaagaatg tcctgcaatc 60
ctaaattcca taatgatctt tatcttctgt tccctctgag gctcctcaat ctgcagtaac 120
agctgtggtt cagcaagcag tgcggcactc tggagtgtgt ttctgaaaca gggccggcgt 180
ggggcagagc tcatctgctg ccctatccat tcaactgtgt gttcagggct agagaagatt 240
catgtgtgta tatgcttttt aaaaattgtg aaacaataat tatgcagaaa aatacataga 300
atatatgttc agtttaacaa ataatacata agcaaattctc tataaaacca ctgctgctct 360
gcagtgcac ctgcttcccc ctaagtcgtg cataacaata gctacaattt actgaccatg 420
aacttcaggt cacacagcaa aggtgttctc atttaattct tggccaccag aggtgcata 480
gactaaaatg tgaacagtgt cccctgcagt tgtggagtgt ggtgacccta ttggatcttc 540
tcacgccact gagggatata ctgttttctg tagagaagtc cagcagagtc actgtcctgg 600
ggggcatcct tcttgatcgc ccccatgcca tgaaggccca ttccttgccc agggctctag 660
agtctgagct tctccaagag ggaatggagt ctttcgcaga 700

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<210> 54

<211> 700

<212> DNA

<213> Homo sapiens

<400> 54

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cccccatgcc atgaaggccc attccttgcc cagggctcta gactctgagc ttctccaaga 180
gggaatggag tctttcgcag aggggctgtg gagcctcgta aggtgaatc taaccacgag 240
cagggatttt gggcagctgc atatccaga tggtttccca gtggatcagc ttctgttgc 300
tgctotaata aactaacata aacttagggg cttaaaacaa cacaaatttc ttttcttata 360
gttcctgtagg tcagaagtcc aaaacaggtc tcaactgggt aaactgaagg tgtcagcagg 420
gctgcattcc ttctggggg ctctagtaga gaatctctt cctttcttcc cctttccagc 480
tttttagaggc tgctgcatt ccttgccctg cggccccttc ctccaccttc aaagccagca 540
ctggctggcc aggtctttca tatattgcaa tctctctgct tctgcttctg acccttctgc 600
ctctctcttc tccatttaag aatgcttctg attacattgg gctcaccac cccagtttct 660
acccaataat ccagggtaat ctcccaact taaagagaga 700

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<210> 55

<211> 700

<212> DNA

<213> Homo sapiens

<400> 55

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atatattgca atctctctgc ttctgcttct gacctctctg cctctctctt ctccatttaa 120
gaatgcttgt gattacattg ggctcaccca cccagtttcc taccctaata tccagggtaa 180
tctccaaaac ttaaagagag aaaacaatac tagcaccccc aaagcaccta cgtgttcccc 240
tactaatcac aacccaacc ctcccttctg cataagtaga catttgtaat aattctgtgc 300

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ttttttagt  ttgacctcct  ctgcatgtat  ccttaacaat  acagttttgc  cagctgttaa  360
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tcatttgta  ttacagtatt  attatccaat  atgacaatat  tacagttatt  gcaagtcgct  480
gtagttcatt  tcaactccagg  aacactgcac  aattttattg  tactctccac  tttttagtgg  540
catttggaca  ttttctgggtg  ctgtgtgggt  attctgggtgc  acatgggtaa  gagtgtgggt  600
tgagaagatt  ctgaggagt  ggactcttgg  gttacagggt  atatatatgt  tttcatcttt  660
taaaaaaatt  tatattatcc  atttttttta  agactagtca  700

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<210> 56
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 56
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gggactcttg  ggttacaggg  tatatatatg  ttttcatctt  ttaaaaaaat  ttatattatt  180
cattttttta  aagactagtc  actgggcgcg  gtggctcaca  cctgtaatcc  cagcactttg  240
ggaggccgag  gccggtggat  catgagggtg  ggagattgaa  accatcctgg  ctaacacggg  300
gaaatcccat  ctctattaaa  aatacaaaaa  attagccagg  cgtggtggca  ggcgcctgta  360
gtcccagcta  ctcaggaggc  tgaggcaaga  gaatggcgtg  aaccggggag  gaagagcttg  420
cagtgaagctg  acatcgcgcc  actgcactcc  agcctgggtg  acaaagcgag  actccatctc  480
aaaaaaaaaa  caaaaaacaa  caacaaaaaa  agactagtca  agggcagtag  tgagaagggg  540
gaaaagagta  gaacaaggag  ttcgatctgt  aactgactgt  gaagtcaatt  gagataattc  600
actaccttca  gatcagccat  gttttcatct  ttaccagatc  acttatatgc  tttattttct  660
ttactttatat  actttttaat  cctgaaagtg  tttctcaggg  700

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<210> 57
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 57
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tgttttcatc  tttaccagat  cacttatatg  ctttattttc  tttacttata  tactttttta  180
tcctgaaagt  gtttctcagg  gaaacagtgg  tattacaccc  agttgtttag  gtagaagaaa  240
tggggtatgt  ctgcccttac  agtgtgacct  tcccaccttc  tgtcttcaga  accctgtccc  300
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acaagggcta  cagagaagtc  cgggccacaa  acctcaatgt  ttcagcagca  cacgctgtga  480
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aaggtgtgct  tctggacata  agtcaactca  cacaatgctc  accccaaccc  tgtgaggtag  600
ggtagtgtca  tcccatgtc  acagaatgaa  gacactgagc  tgcacggaca  ttgagtgtct  660
gtcaatacag  tgcaatgggt  aatagcatgg  gatctaggtc  700

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<210> 58
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 58
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cacagaatga  agacactgag  ctgcacggac  attgagtgtc  tgtcaataca  gtgcaatgg  180
taatagcatg  ggatctaggt  ctgtttaaat  tgggtttaaa  ttctgacttc  cccacttact  240
agtgggtgag  tcacctgggc  cattactgac  ttcttttgg  gtcagtttct  gcacctgtaa  300
aatggggcta  attggctcac  agggttgttg  agagaggtaa  aagatgtaat  gtgtagaagg  360
agcttagtca  agtgccaagc  acaagggaga  acccagtggg  actaaaatga  gcagagctat  420

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gaaatgatga ccattataga gttcaagggt gacaggggtg aatggggggg tgtcctggca 480
agctggggacc aggccaccaa ggtgctgggt tgggtgctatg tgagaatgga atgctggcca 540
ggtggactct gaaacatgga cacctggaca gtcctccac tgacctgtc cacctttgtc 600
cggagctctc tacctatctg tggctgcttc caaggacggg gatttctgac agaggcagct 660
ggaccttggc acatgcagaa gtttcagctc agcatcagtg 700

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<210> 59

<211> 700

<212> DNA

<213> Homo sapiens

<400> 59

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gtggctgctt ccaaggacgg tgatttctga cagaggcagc tggaccttgg cacatgcaga 180
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gggctgaccc tgcattcacc tctgagaacc ctgggaaacg ccaaccacag atgtgaaata 360
tgaacatctc aaaaccacaa ctgcatttcc tttgagaaaa gattcggctg tcctcctctc 420
cagcctgcct ccctccgctg gatgtctttt gtacaatggc tcactactgc aagaggcaag 480
agcctaggct acaagaagag tctgctacaa gctagtcctg ggcaggcctg gacagggaga 540
gggcaggggc tgctgtgcag gcggccccag gaccttcaag gacctccaag acttccgttc 600
acaccagca gctgccaacc cctgcccagg cctcccccaa cacagccgga gggcctgttc 660
ctggccccac ttcttgacagc cttgggaagc cggctagctt 700

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<210> 60

<211> 700

<212> DNA

<213> Homo sapiens

<400> 60

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ccctgcccag gcctccccc aacacagccg agggcctggt cctggcccca ctctctgcag 180
ccttggaag ccggctagct tgagaaaggc gtgtggcact catggaggaa gtgggcccggc 240
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gttggcggtt tcagtttttc acctcccttt ggtgcatctt ccagcttatc attaaataag 360
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aaataacact cactgtctcc tcccattcat acagcacctt cgggtctggg agctgtgctc 480
acatctgcca tctcattaca tccttgcaac cctggcaaag gtaatgactg agctcacacc 540
atgtgtcagg gacatgaatg aattcacaga attcactgta attgtcccca ttttacagaa 600
gagaaaatga gacagagaaa ttcagtcatt ggctcaaggc catcacataa ctaggatattt 660
ctcccagatg gctgagttcc aaagtctgcc ctattctctt 700

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<210> 61

<211> 700

<212> DNA

<213> Homo sapiens

<400> 61

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attcagtcac tggctcaagg tcatcacata actaggattt tctcccagat ggctgagttc 180
caaagtctgc cctattctct tctgctacat tgctccatg gcacatacac aagaatgagt 240
tccatttact gatgagaaag tgaggctgag gtgaaagggt ggtgtggggc ctgaggtcag 300
cgttgcttcc tcagtccaca tctcctccca gaggatggtc caccaacgtc cttcatctgc 360
cctccccctt taaaaaccac tgtcagcccg gcacgggtggc tcatgcctgt aatcccagca 420
ctttgggagg ctgagggtgg tggatcacct gaggttggga gttcgagact agcctgagca 480
acatggagaa accccgtctc tactaaaaac acaaaaattg gctgggtgtg atggtgcatg 540

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cctgcaatcc	cagctactcg	ggaggetgag	gcaggagaat	tacttgaacc	caggaggcag	600
aggttgcgat	gagccgagat	cacgccattg	cactccagcc	tgggcaacaa	gagtgaact	660
ccatctcaaa	aaacaaacaa	acaaacaaac	aaaaacactg			700

<210> 62
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 62						
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tcacgccatt	gcaactccagc	ctgggcaaca	agagtgaac	tccatctcaa	aaaacaaaca	180
aacaaacaaa	caaaaacact	gtcatgcccc	caccgccagc	ttgtctccct	ttcttttttag	240
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taggtaacgg	aggcaaagca	agggctaggg	agagtgtgcc	atgtgggaca	cctcccccta	360
tcacctcccc	actgcctgca	cacactgggg	acagtcaaag	cattcctcag	gctgggggta	420
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acttcttgca	tgccaggcac	taccaggcca	ctgtggatgc	acagtgaaca	acacagacca	660
ggtccacgcg	tcacagactt	tacttccttg	agggaggcag			700

<210> 63
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 63						
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ctaccaggcc	actgtggatg	cacagtgaac	aacacagacc	aggtccacgc	gtcacagact	180
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gggggttaggg	cagctgttct	aaggatgaga	catttcaggt	gaggagagga	atgggggtgga	360
gttggcagtg	gggctggttc	tcggctctcc	ccgactgccc	tccttccccg	cattccagtc	420
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caagcgatgg	ctttgccagc	tggttctttc	agtgtttgtg	cctgggtgag	cacagccggt	540
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tttcagcata	agcatgacat	tagcttttcc	tagagaggaa	accacccccg	gggctgacag	660
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<210> 64
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 64						
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tttacagttt	cattttccag	tttcaattta	gaagcagctc	tgccagcttt	ccagtgcctg	420
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ggtgattctg	atgcaggctg	tggacctcac	catggcagtc	gtggcctcag	agaccatcag	660

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700

<210> 65
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 65
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 ttgcaattta tagcctaata caagaggatt taaggacaat taaatatttc tttccctca 540
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 tgccctggtt tgaccgtggg gggagagggg gggcagggtt ccaggcctgc cagatgtaga 660
 cctttcctaa tgtctacagc aaatttgttc ttcagtgttt 700

<210> 66
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 66
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 ggggagaggg tgggcagggt tccaggcctg ccagatgtag accttcccta atgtctacag 180
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<210> 67
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 67
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 ggaccacaga gccccatag tggagggagc cactacttgg gcggctcagc tcattcctgc 180
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 gaccttcaact ctttccctct cagtggagag ggcagatctg ctctttgggg tgtgagggtc 360
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 ccccttccaa catattattg ggtcgtgggt gccatgttt tagtagacac ataaaataaa 660
 tgagtatttt cagagaagtg caaccctgga ggtgcagggg 700

<210> 68
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 68
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 gggtcgtggg tgccatgttt ttagtagaca cataaaataa atgagtattt tcagagaagt 180
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 cctttcctga aagtcacagt tgacatctga agacacacac acacacacac acactttttt 360
 gagagagaga acgagaatga aaagatacac actgatcttt caacagtcgt tgtctctacc 420
 tgggtgattgc gaatgatttt aatttttttt ctcttggtgt tacagtattt tctaaaatct 480
 ctaaaataca cccaaattac tttcttggtt tggcaaaata gacataaaat gtctacatcc 540
 attttaacca tttttaagtg cagagttcca tagtatgaag tacattctca ctgttggtgca 600
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<210> 69
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 69
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 tccagaactt tttcatcacc ctcaacataa actctgcac cactaagcag tatctccctg 180
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 ttcaacaaag gctgcatgat tttacgttcc caatagcaat gcacaagggt atctattttc 660
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<210> 70
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 70
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 ttttacgttc ccaatagcaa tgcacaaggg tatctatttc ttcacatcct tgccaacact 180
 tattttcagg ttgtttttgt tgtttttaaaa tagccatcct aacagatgtg aagtgggtatc 240
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 aaactttacc atcttaacca ttttcaagtg tagagttcag tattaagtat attcacattg 480
 ttgtgcctta acccaaatat agtatataat ggcaaaaaga aacaaaaggc tctctaaaga 540
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 ggggctccga ggtgagtgtg gcctggactc tgcccttggg 700

<210> 71
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 71

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cttctgagca	tctctgctgg	gctgggctct	gtgccaggca	gggggctccg	aggtgagtgt	180
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tgtgggcaca	gagggacacc	ctgttgtgtg	ggtgcggcat	tgggaagggg	cataagttag	300
gtggcacatg	agttcaggtg	ggaaggatga	gcagacatgt	acatgtgcag	agaagggaac	360
tggcatgtgt	ggctgggctg	tggcagcaca	cctcacaacc	gccattacag	gagcatctat	420
taatcattta	tgtctgtctc	tctacttgat	tataagctgc	atgagagcag	ggctgggtgt	480
tttgttcact	gctgcattgc	tgccatgccc	agcacaggca	agtgtaaaag	aaacacttgc	540
tgaataaatg	agtggttgat	gacgaggaaa	aaggagacat	ttctttccag	aatcttggct	600
gtaagcagca	gacagcatgg	ctgtactcca	cggggaaggc	aggatggcag	gaagcattat	660
acaggtgatg	gagacaggag	cacagcagga	gccagtggag			700

<210> 72

<211> 700

<212> DNA

<213> Homo sapiens

<400> 72

ctgccatgcc	cagcacaggc	aagtgtaaaa	gaaacacttg	ctgaataaat	gagtgggtga	60
tgacgaggaa	aaaggagaca	tttctttcca	gaatcttggc	tgtaagcagc	agacagcatg	120
gctgtactcc	acggggaagg	caggatggca	ggaagcatta	tacaggtgat	ggagacagga	180
gcacagcagg	agccagtgga	gaagaagagt	ttgaagattc	cctgggttag	agaatggaag	240
ggcgtaattg	ctggggagag	gtccctgaag	aaaggggaga	ggctgggatg	caggctcagt	300
ggaaggagag	gagtctcctt	atgagactca	gatggccagt	gtgaaaaaga	cagaagatac	360
caactgctgg	taagaatggg	aagcacactg	catggggaac	tctcctatac	tgctggaggc	420
gtgttcttcc	tgttattcta	gattcagaca	gcactctggt	cgctgggttg	tgaggccac	480
catttgggcc	aattagagga	acccaatat	ctgcacttgg	actatcagaa	atgagagctc	540
tacgcccaga	gcaatttcca	agatgggcct	gaatccatga	gtcatggcac	taaatggagc	600
ccagggttgg	ctctgagcct	aacagcctcc	aaaatgtcaa	ctttgttcac	gtgccacttt	660
gtccctcatc	tcatgccatg	cagctggcag	gacttcagtt			700

<210> 73

<211> 700

<212> DNA

<213> Homo sapiens

<400> 73

aaccccaata	tctgcacttg	gactatcaga	aatgagagct	ctacgcccag	agcaatttcc	60
aagatggggc	tgaatccatg	agtcatggca	ctaaatggag	cccagggttg	gctctgagcc	120
taacagcctc	caaaatgtca	actttgttca	cgtgccactt	tgtccctcat	ctcatgccat	180
gcagctggca	ggacttcagt	tgacagaagg	tagacctgc	tcttttcaaa	aagcacacag	240
gacaggtgct	gataggccag	cccctcccac	tgagctctag	ttactgcggt	gaacttcacc	300
aggaggttca	gcacccactg	tggctctgcc	tgaggggcct	ctgtgcacac	tcagtccagg	360
cactagcatc	ccagcgcccc	gccagtggtc	caactccaga	ctcactacac	agagccccct	420
gcaaccgatg	tgtgccaaca	tggagcccac	acagggcagc	tcagcgtgac	acctgcacag	480
ctcaagactg	aggggaaggaa	atgcattctc	tttctcaagt	tgggaagggc	tgtactgaat	540
taccaaatgg	cattatactc	tctgtggggg	agcacagatg	agtgtccggc	agtccctggg	600
atgatgttac	agtccagagg	tggggatgag	atgagcccag	atgatgcaat	ggggatgcaa	660
tcaagacacg	atgtcattag	aagccacagt	gtgttctctc			700

<210> 74

<211> 700

<212> DNA

<213> Homo sapiens

<400> 74

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aatgcatctt ctttctcaag ttggaagagg ctgtactgaa ttaccaaagt gcattatact 60
ctctgtgggg gagcacagat gagtgtccgg cagtccctgg gatgatgtta cagtccagag 120
gtgggggatga gatgagccca gatgatgcaa tggggatgca atcaagacac gatgtcatta 180
gaagccacag tgtgtttctt catgccacgt gtttcccagc ttagaggagt aaggggtcaa 240
ggaggggggg ggtggccccc tgggacctg ctctaggacg catgcataag gaccacatg 300
caaacgcaca gaattcaaga gctagccagg cctggaccca tgtaggagag cccactggc 360
tgatttccaa tctgggacaa aggccacaga caggaggcct cccttggcca caccaggtc 420
cccagaacat atgctccact gtccccagtc taaccacaac cccatagag ctgtgtccca 480
ttcatgttgg cctagaaact ggggaagtacc tggcatgggg cctccgctt cctccccatg 540
actgcctgga gctctgggga gaccaccaag gggccatttt tgtgggttagg aaatgtctgt 600
ggcagctgtg gacaccacag gccctccctg gacccttctg aagtagaggt cacattccta 660
aagattctta actgccagct ccaattgctt cttcctgaca 700

```

<210> 75

<211> 700

<212> DNA

<213> Homo sapiens

<400> 75

```

tgggaagtac ctggcatggg gccctccgct tcctcccat gactgcctgg agctctgggg 60
agaccaccaa ggggccattt ttgtggttag gaaatgtctg tggcagctgt ggacaccaca 120
ggccctccct ggacccttct gaagtagagg tcacattcct aaagattctt aactgccagc 180
tccaattgct tcttctgac aggtcatct tagtagggag tgaatataat cttttcccag 240
ttccacgagg tcctctcaga tccaaaatgc tctaagttca aaggcaaadc atgaagaaag 300
ggagacgcag atactaatth gtggttttag ttcatgtggt ttccacctg gctacacagt 360
agagttacct aaggagctth ttaaaaatac tcatgtccaa atattccaac aggcactthg 420
caaagagaag atctaaatgg ctaacaaaca tatgaaagg tgctcagctg tattagtcat 480
cagggaatg caaattcaaa ccacactgtg ataccactac atacctgcca gaatggctaa 540
catgaaaaag atagaaaata tctatggttg gcaaaaatgt gaagcaacca gaactctcat 600
acattgctgg agggagtgt aatgggtaca gccacctggg aacattattt ggcataaggt 660
actaaagctg aacatactca tatccatgct tccccagcaa 700

```

<210> 76

<211> 700

<212> DNA

<213> Homo sapiens

<400> 76

```

accacactgt gataccacta catacctgcc agaatggcta acatgaaaaa gatagaaaat 60
atctatggtt ggcaaaaatg tgaagcaacc agaactctca tacattgctg gagggagtgt 120
aaatgggtac agccacctgg gaacattatt tggcataagg tactaaagct gaacatactc 180
atatccatgc ttccccagca atggatatac atgtactcca aaaatacaca ctagcatgtc 240
attgcaatag tcagaatagt tccgaattat aaataacaac tcgaatatcc aaaaatgcat 300
cacagtagaa tggataaatc gaggaatatc catagagtgg aatactctat agcaagaaga 360
gtgaataaac tgcagctcta agtaacaact tggatgaatc atctcacaaa cacaacaaga 420
ggatatatac tgcctgattc catttacatc atataaagtt tgaaaacagg agaaatgact 480
gtacaccatt agaagccaga atggacatta gcctttggag ccaggtagta agtgggaagg 540
gtaccagggg ttgctggtga tgttctgttt catgatttgg atgctgggta ctcggggtaa 600
attcattttg tgaaaattca ctgagcttta cacttatggg ttgtgctttt tttttttttt 660
tgcatatatg tcatccttca acaaacactt aaaaaatggt 700

```

<210> 77

<211> 700

<212> DNA

<213> Homo sapiens

<400> 77

```

aatggacatt agccttttga gccaggtagt aagtggaagg ggtaccaggg gttgctggtg 60

```

```

atgttctgtt tcatgatttg gatgctggtt actcggggta aattcatttt gtgaaaattc 120
actgagcttt acacttatgg tttgtgcttt tttttttttt ttgcatatat gtcacccctc 180
aacaacact taaaaaatgt ttgaaaaccc catcaattca gtcagactct ttgggtggga 240
gcaagatcca ggcatcagta ttttttaata tcccagatga tggtaatatg cagccaggat 300
ttaaagtcac tggtttaata tcttgggaaa agcagatcca ctcaagacct cacagggtcc 360
tgacaaaggc cacttcacgc tcagtggagt gagacactgg ggtgggaaga tgtccatttt 420
ttggatgtgg gtcagtctct tgcacaggca gaggtattgc agcatgctgt tgtaatgtgt 480
atcttccttg gcagtgtctg ttgaaagctg gttgcatcag tttgtaatgg ggtgtaatgg 540
caacaagggt ggcccagccc ccccaggaa gtggatcact gagcacagct tctacagggc 600
catttgtaga gaggtggcag ctgggcttcc caggggctgc caccagggc agagccagt 660
ctgaggctct gacaacctcg gcagggtggg gagaaggcca 700

```

<210> 78

<211> 700

<212> DNA

<213> Homo sapiens

<400> 78

```

gttgaaagct ggttgcatca gtttgtaatg ggttgtaatg gcaacaagggt gggcccagcc 60
cccccagga agtggatcac tgagcacagc ttctacaggg ccattttagt agagggtggca 120
gctgggcttc ccaggggctg ccacccaggg cagagccagt gctgaggctc tgacaacctc 180
ggcagggtgg ggagaaggcc agactcaggg tgtttatgtt tgtgggtaat gacagtcagc 240
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tcttgctgag gaccatgtca ggctcagctc taagtgtgtt ggctgagaat tttccttcct 360
ctctgtgtgg ttagtggcag cctccctagc aatggctgac ctctagcata ctctgtcaaa 420
ctacaggcag ctgggacaag acaggacatg gggctcacag acagggtattc cacaacctgg 480
gccctgtcaa cctcccaga aatgcatggg ccatgaacct cctgctgtgg gaggggcagt 540
gcagagaagt ctcaataagc ttctcttggc cctctgggat ctccaccatc cacagtgtgt 600
agggctgagc tgcaggctgg gtcttcagg ggtgtccctg cacatctgct ttgcagcgtg 660
gcgtctatag agcaagagtg aacaggaagg ggctcgggc 700

```

<210> 79

<211> 700

<212> DNA

<213> Homo sapiens

<400> 79

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aaatgcatgg gccatgaacc tctgtctgtg ggaggggcag tgcagagaag tctcaataag 60
cttctcttgg cctctggga tctccaccat ccacagtgtg tagggctgag ctgcaggctg 120
ggtcttcagg tgggtgccct gcacatctgc tttgcagcgt ggcgtctata gagcaagagt 180
gaacaggaag gggcctcggg cctcctgtag ctctgctggg cagggacgct gcggggcctc 240
agctgggctt ccttggctaa agggcacaga gtggcgtagg ctgcaagagg acaagctaag 300
ctgatgaagg ctctatcact caagggtagc catgtaaaaa aaaatcccta caggtaaaag 360
aagcatgaat aagacaggcg gggcataaca gtgtctcccc actgaagctg caactctctg 420
cttactggc ttcagcctcc tctctgtgaa atgggggcaa tgtcccctag gccttttctt 480
cctgtccagt agggctgagg gtctacaggc cagagggagg cctgggctct gaggcctgtg 540
cctgtgtggc ctctggctgg gacctcagcc cccatgtgcc atgtcacctc ccttgtctgt 600
gaaataccac aacagcagct cttgccagcc agtgacacta ccccttctct ttgtcttctt 660
taciaagcat ttatgaaatg cttccttttc atgcttcagg 700

```

<210> 80

<211> 700

<212> DNA

<213> Homo sapiens

<400> 80

```

ggtctacagg ccagagggag gcctgggctc tgaggcctgt gcctgtgtgg cctctggctg 60
ggacctcagc ccccatgtgc catgtcacct cccttgtctg tgaaatacca caacagcagc 120
tcttgccagc cagtgcact accccttctt gttgtcttct ttacaaagca tttatgaaat 180

```

```

gcttcctttt catgcttcag gaaaccggtg gccaggagga gttcttgatt tcattttctt 240
ccctagagat atgtgtgctt cgaaatacac aaattaaaca aaaacgaggg ctgactggga 300
ccaggagagt gagtgatcct ggcttccctt gatttacatg cttattttcc ttctcaaata 360
actccagtaa gtacagaagt cactaatcta ttgccctcta ttatctgcat tatagttaaa 420
aacatcgaca tgaacaaaca aaagcccttg cgtagcctag agaagtcaca aagctcacac 480
ccagactctc gcctaagaga gtctctcagg gctcactcag ggactattta ttcttgtttt 540
atTTTTTTaa atgttgatac cctctctgct tgagtatcct tgttttagat gcaaatcaga 600
aaagggttgc gtattgatca cagtcccagc aggaacaaaa tgcacactcc actggtaaca 660
ggagagactg aggaaaggac cgtttccaag ggtgagcaag 700

```

<210> 81

<211> 700

<212> DNA

<213> Homo sapiens

<400> 81

```

agtctctcag ggctcactca gggactattt attcttgttt tattttttta aatggtgata 60
ccctctctgc ttgagtatcc ttgttttaga tgcaaatcag aaaagggtgc tgtattgatc 120
acagtcccag caggaaacaa atgcacactc cactggtaac aggagagact gaggaaagga 180
ccgtttccaa gggtgagcaa gatgaagaa aacctcaag gaaaggtgaa gcatcctgca 240
gccagcaaca gtgggagctg tgaccaccaa tccccaggga ggaggtggga gggctcctgg 300
aaccagaga gacctgtagg aggggactgc cggcaggagc tgtggtttta gggtgaaaaa 360
cacaggcact attgacctga gacctggcaa gggagggagc tgggggggata aagcacctcc 420
catttcccct cccagcctcc aacctctggt caggggaggg gtcttcaatt ggccaaaccc 480
aactggaagc ttggggacct ggagcctggc tgatggaatc cacaaaggtc aaatcctggg 540
aggagtggga aagagcagaa aatcaactgg agcagggatg tgtggggggg tggcaacaa 600
acaatgcccg gcagagtcac cagggtctggc catttgaaaa gagtacatca gaagctaacg 660
tgctgtaatg tggcactctc accacaaata cataggatga 700

```

<210> 82

<211> 700

<212> DNA

<213> Homo sapiens

<400> 82

```

tggagcctgg ctgatggaat ccacaaaggt caaatcctgg gaggagtggg aaagagcaga 60
aaatcaactg gagcagggat gtgtgggggg gtggcaacaa aacaatgccg ggcagagtca 120
ccagggctgg ccatttgaaa agagtacatc agaagctaac gtgctgtaat gtggcactct 180
caccacaaat acataggatg aaaggcagcc agggacagag gcggccacga agaaaggttt 240
aaagaatccc agcaaaatga ctggggctct cattatggaa gaacaaatag ctttacttaa 300
taattccaag gtaatagctt aatagcttaa taattccaag gtaaacaaag attttcataa 360
ggaggactct gaatgatcaa cagaaggtta aatgtcactg tactgcttca cagagctggt 420
acagggcagg gaagactata acacaatgta gagatagatc catacaagag aggtacaaca 480
gggtttccag ttcaacacat cagttattta cactcctagt ttcttttctc tcctgaagca 540
ccactaaaat gctagtctag aatcaaatg gggccagggt cagtggctca cgcctataat 600
tccagcactt tggtaggcca aggcaggagg atcattagag tccagaagtt caagaccagc 660
ctgggcaaca tagcaagacc ctgtcttaaa aaaaaaattg 700

```

<210> 83

<211> 700

<212> DNA

<213> Homo sapiens

<400> 83

```

tcagttattt acactcctag tttcctttct ctctgaagc accactaaaa tgctagtcta 60
gaaatcaaat ggggccagggt gcagtggctc acgcctataa ttccagcact ttggtaggcc 120
aaggcaggag gatcattaga gtccagaagt tcaagaccag cctgggcaac atagcaagac 180
cctgtcttaa aaaaaaatt ggctgggtgt ggtgggtgt acctggagtc tcagctactc 240
aggaggctga ggtgggagga tcacttgagc ccaggagttt gaggctgcag tgagctatgg 300

```

```

tcacaccact gtactccagt ctgggcgatg aagtgatacc ctgtctctta aaaaaatcaa 360
atggggccag gcgcggtggc tcatgcctgt aatcccagca ctttaggagg atgaggaggg 420
tggattactt gagatcagaa gttcgagacc agcttggcca acatggtgaa accccgactc 480
tactaaaaat acgaaaagta gtcaggcatg gtggcacatg cctgtagtcc cagggtactcg 540
ggaggctgag atatgagaat tgcttgaacc cgggaggcag aggttgcaat gagccaagat 600
tgtgccactg cactccagct tgggtgacaa ggcgagactc tgtctcaaac aaccaaccaa 660
ccaaccaaat ggtattaact ctcaaaggca aagagaatgg 700

```

<210> 84

<211> 700

<212> DNA

<213> Homo sapiens

<400> 84

```

agtcaggcat ggtggcacat gcctgtagtc ccaggtagtc gggaggctga gatatgagaa 60
ttgcttgaac ccgggaggca gaggttgcaa tgagccaaga ttgtgccact gcactccagc 120
ttgggtgaca aggcgagact ctgtctcaaa caaccaacca accaaccaaa tgggtattaac 180
tctcaaaggc aaagagaatg gtaaaggaga catgagtggc tgaaagagtt ccccaacta 240
caggaagctg ggaggcaggt ggaggaataa tgactgacat ggaggaagct aggctctgaa 300
gggcttgtag aggggcacac tgacaggagg caagccactt taccctgga accctgcagg 360
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gtgggggtaa tgaatggagg aaactgggtg aaatcctccc cagggtctcac ctccacacc 480
tgccccacac agctggagac aaagacactg aacaggagag agacaggcag gagggagggc 540
agatgaatac aggatgaaa acagggaggt gagggaaaag tctgaagaat gaagcgtggg 600
actcaatgtc ccaccactt accttgcccc gccccacccc aggtatatat cactctggat 660
gagggtatgg tgaatttaaa agatgggtgc aaattctttg 700

```

<210> 85

<211> 700

<212> DNA

<213> Homo sapiens

<400> 85

```

caaagacact gaacaggaga gagacaggca ggaggaggag cagatgaata cagggatgaa 60
aacaggggagg tgagggaaaa gtctgaagaa tgaagcgtgg gactcaatgt cccaccact 120
taccttgccc cgccccaccc caggtatata tcactctgga tgagggtatg gtgaatttaa 180
aagatgggtg caaattcttt gacatttctc caatggagag gtgggtctgt gtctccttcc 240
ttgaacctat gtggatttct gactacagtg gaaatgagct atgtgacttc caaggctggg 300
acatacacag ccattgcagct tctgtcttgc tggccagaac actcacacca gagacttgag 360
gtgcctcgta agaggtccaa tgaccaggcc atggtgctgg agacatcatg tgtagtctct 420
ctgggtcaaca gtcccaactg agcccagcct tccagctctc ttgccaagt gaacaacat 480
cttacaagtg gacccttcag cccagctgtg tccaactccc agttattcca gtcacctcga 540
gtcattccag tcattcctagc cgtcgtagag cagagaattg cccttctgac tccttgacag 600
tggcccaaaa aatgggtgtt gttttatgct actaagtttt gaggtgggtt gttatgtagc 660
gttcaataac tagaactagg agttagaatg cttctcttga 700

```

<210> 86

<211> 700

<212> DNA

<213> Homo sapiens

<400> 86

```

gccccagctg ttccaactcc cagttattcc agtcacctcg agtcattcca gtcattcctag 60
ccgtcgtaga gcagagaatt gcccttctga ctcttgaca gtggcccaaa aaatgggtgt 120
tgttttatgc tactaagttt tgagggtggt tgttatgtag cgttcaataa ctagaactag 180
gagttagaat gcttctcttg aggagctgaa tggcttcagg gtgggtgggt tcaacagggt 240
gattttgtcc ccaggggac atttggcaat gtttacagac attttggtta tcacaactct 300
gggagggggg ttactactgg catttagtag gcagaagtca ctggtgctgc taaacattct 360
acaatgcatg agacagcctc tgacaacaag gaattctttg gcccaacatg tcactagtac 420

```



```

caagggttaag aaacctagct ctagagaaaa ggtgctcatt ggaggcttgt taactaaaag 480
actgtctttgc ttcctgtagt gaaaccccgag ttgataaatt ctccccaagc agagtttagt 540
tcagcctttt attgctccat taataaatac caacagatag ctgagatatt tggcatttaa 600
ggaaagcctc caacaaggag agatggagag acagagagag ggagaagaaa aagaaagcag 660
aaggaaaaag gaagaaggat taaagaagag ggaagaagaa 700

```

```

<210> 87
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 87
tgaaccccca gttgataaat tctccccaag cagagtttag ttcagccttt tattgctcca 60
ttaataaata ccaacagata gctgagatat ttggcattta aggaaagcct ccaacaagga 120
gagatggaga gacagagaga gggagaagaa aaagaaagca gaaggaaaaa ggaagaagga 180
ttaaagaaga ggaagaaga agaacaagag gaagaggagg aggaagaaga agaagaagaa 240
gaaggatgac gacaacgaca acaacaacaa caacaagaag cagccaccac cgccgctgcc 300
acctccaggt agaaacaaaa acaaaataga gactagaaga ctattaagac aaatggacaa 360
atgaaaaata aatagtgcct caagaagaat aggatggaga tagtatatgc ataaaaaaga 420
atgtggtatt ttgaaaaaa aaaatcaaca acaagaatga gtactaggat attagaaaaa 480
gaaagccaaa attaaaaaaa aaaatcaaca gaagggttgg agtatgaagt caatgaaggt 540
ttcccaagaa agtagaccaa aaaggcaaag agatgaaaaag taggagagaa aatataagga 600
aactaaaaca ttaatccaga tgatccaaca gataaaatac agggaagaaa attattaaag 660
aaataatata agaaaatctt ccaggactca aagatgctac 700

```

```

<210> 88
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 88
aaaaatcaac agaagggttg gagtatgaag tcaatgaagg tttcccaaga aagtagacca 60
aaaaggcaaa gagatgaaaa gtaggagaga aaatataagg aaactaaaac attaatccag 120
atgatccaac agataaaaata cagggaagaa aattattaaa gaaataatac aagaaaatct 180
tccaggactc aaagatgcta cataactcag cagtgcagaa tatgtccaca ttcactattg 240
agttaaccac agattgtggt atgttcctat tggaaggatg gagagaggaa aagtggggat 300
ggttctgtag gaaagttcaa tcctcatcta tcacaagaag tcaacaaatg cctaaaatcg 360
gtagatcaaa aaatagtata aacagaaatg gaaactagta aatgggttgaa agaggcagcc 420
tatagagagg gggagtgaga aaggcgggga agggattttt attatgggct tctcagtaca 480
actgatattt aaaccatatt catgcattat tttttatttt gtttttaatg gatacataat 540
aattgtagat atttatgcag tgcagtgtga tgtttccaga catacatata gcatgacatg 600
atcaaatcag ggtaattagc atatctatca ccttaaacac ttgtcatttc tttgtggtga 660
caacattcaa aatcatctct tccagctatt ttgaatttgt 700

```

```

<210> 89
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 89
gcatgcatta ttttttattt tgtttttaat ggatacataa taattgtaga tatttatgca 60
gtgcagtgtg atgtttccag acatacatat agcatgacat gatcaaatca gggtaattag 120
catatctatc accttaaaca cttgtcattt ctttgtggtg acaacattca aaatcatctc 180
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cgcttatgta gaagagtcac gcctctctaa gaatgctcaa tgaactggca taggtgggca 360
caagcaccat cagcatggaa gggttcctcc tgatgtcact ggccactaag gcagttggtg 420
gggtgagggg ggggatgaga gccaggcatg gcagccctta ggtggtcacc atttccctct 480
cctggcagcc tgtatttgct tgggagacct atctcttggg tatagatcct attgggctgc 540

```

```

taaagaagag aggtgctaat ccttttagga tgacttctgg gaattcacca ggatgccctg 600
cctctcctac tctggacatg gaaaaaatg ctgggtttac caaagggtgga tgagtcaggc 660
ccaggactag agccacgggg cctctccctg gacgtgccat 700

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<210> 90
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 90
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tccttttagg atgacttctg ggaattcacc aggatgccct gcctctccta ctctggacat 120
ggaaaaaaat gctgggttta ccaaagggtg atgagtcagg cccaggacta gagccacggg 180
gcctctccct ggacgtgcca tagtcaggct gtctcggcag ctaaaagagg ctacacacat 240
ttattgtcat cagaagctgg gacagatgag ccttgggtta caagatctcc tacctggagc 300
tctcccggga ggtgccaatc ataggggatg ggaggacaaa cacatgcttg gtggggctcc 360
agcgttaccg ccgagggtgca tctccttggc cactagccct ggggtctgac ctcccccttc 420
cttttccttc acccattgtt ctccctattc ctttcttttc ccacctctct ctacgttctc 480
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ttaacctttt aaattgtcac ttttttttaa actataccat ccttagataa gcaggagata 600
ttcctttaga aaaaataaga aaatattaat aatcacccat gattctatca gtcagaaaac 660
tccactgctg gtgtatgaat ttccagaatg tttccaggct 700

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<210> 91
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 91
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ctttttttta aactatacca tccttagata agcaggagat attccttgta gaaaaataag 120
aaaatattaa taatcaccca tgattctatc agtcagaaaa ctccactgct ggtgtatgaa 180
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gttaatctct cttaatcctt ccaacttcac aagatagggtg ttattgtgcc ccgtttacag 360
gcaggaaaaca agttcaggga gatcacatta attgcctgag ttcccaagtt ggtaagaga 420
ctaagctaga tctcaaccct tcaggctgaa tccaaagcta ctttccttga atggtttgta 480
agatttttcc atttcttttt taaaaaaatg gtatgttcaa atatctttct catcaataaa 540
tatttatctt catcattctt cctaattgaca ttcccttgta tgaatgtgcc aatgtggaat 600
aaccagttcc gtcttggttg gctttcagat gttttctttt tgtaaatgat aaacaatgca 660
gttataacta tctttatata taaactttgc aatagtatga 700

```

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<210> 92
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 92
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ggcttttcaga tgttttcttt ttgtaaatga taaacaatgc agttataact atctttatat 180
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ccatttatct gctgaggatc ttcacaaaat ttggactgag attaaacaca gaatcagaga 360
agccctatgc tggaaagatc ttagtatata cctcttgaac taaaccagtc ttactttaga 420
aaaaaaaaaa aaaaaggcca ggcgcggtgg ctcatgcctg taatcccagc actttgggag 480
gccgaggtgg gcggatcatg aggtcaagag attgagacca tcctggccaa catgggtgaa 540
cccatctctc attacaaata caaaaattgg ctgggcgtgg tggcgtgtgc ctgtagtccc 600
agctacttgg gaggctgagg cggaagaatc gcttgaaccc gggaggcaga ggttgcactg 660

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agccgagatt gtgccactgc gcttcagtct ggcgacagag

700

<210> 93

<211> 700

<212> DNA

<213> Homo sapiens

<400> 93

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gaggtcaaga gattgagacc atcctggcca acatggtgaa accccatctc tattacaaat 60
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gcggaagaat cgcttgaacc cgggaggcag aggttgact gagccgagat tgtgccactg 180
cgcttcagtc tggcgacaga gcgagactcc atctcagaaa aaaaaaaaaaag ccctagaccc 240
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aagacctcac agccatcact gactatactg agctgcctca ctgtccccag gactctcact 480
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agcaccctgg tcttccttgg acagtttcca aggctacgtt gggcagtcac aaacaagatg 600
tggtcttatt gttgtcttac cttggtgtgt tttcctccaa taggctacaa actctggcac 660
ctgcaaaaaa caaggaaagt aaatgattga agcagggcac

```

700

<210> 94

<211> 700

<212> DNA

<213> Homo sapiens

<400> 94

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ccttggtgtg ttttcctcca ataggctaca aactctggca cctgcaaaaa acaaggaaaag 180
taaatgattg aagcagggca ctgaagggtg gcctttgaac aacgcaagcc tggatggaag 240
ttgaaagatg agagcccac tgtggtgagt tctttgaaag ctgctgaggt gtgagttggt 300
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gctctgggaa tagagcattg gactaaaaag gctaaccacc tgccctcatg gagcttgaag 600
tctactgggt aggggggtgg ggcgggtggt gtagtgaaga gtccaaaaac taacaagata 660
cataaattaa aaatatagga atcagaagtg gtaaatccta

```

700

<210> 95

<211> 700

<212> DNA

<213> Homo sapiens

<400> 95

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ggactaaaaa ggctaacacc ctgccctcat ggagcttgaa gtctactggg taggggggtg 120
gggcgggtgg ggtagtgaag agtccaaaaa ctaacaagat acataaatta aaaatatagg 180
aatcagaagt ggtaaatcct agggaggaaa aaataaggca ggagagagag gtaaggaata 240
ttggggcaga aggtgagaag gcgtgtaaaa attctaaaat gtgtgtccag agaaggctag 300
acacctgaga aggtaaatta tgaacaaagt tacctgaaaa aagtgaggac atgagccctg 360
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cgagggcctg tctgacatgt taacagataa gtgaggaggg tgggttagcc agagtagaga 480
gaataaggga gaagcaggag agggatcaga gaggtagcga gaggtccac agtggttcacg 540
gcattcaagg gaggtccttg tgtgaacttg ggctctgatt ctgagacagg agccactaga 600
gggtttttta cagagaagtg acatgatgta actcacattt taacaggatc actctggatg 660
ctgtgttgag aataaactga gagaaagagt agaaccagtt

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700

<210> 96
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 96
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 gacatgatgt aactcacatt ttaacaggat cactctggat gctgtgttga gaataaactg 180
 agagaaagag tagaaccagt taggaggcta tggcagaaat cttggcaaga gacaatgggtg 240
 gcttggacca gagcagtagc atggaggatt tgctgatgga ttggaagtga gagattaaaa 300
 agaatgggtt tagaacctga ctggggcagg ttaaaaagaa aggagctgaa gctgtgaact 360
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 aggatggaat tgccattttc tgaatggaag cgtacagatg gagcatgttt tgtggggaga 480
 taaggaatac ggttttggac gtaagtgtga gatgcctttt aagcacttaa gtggagaaga 540
 ctgtaggcag gtggaactgt gaatctgggg agaggtccag gctggaaatg agtatttgtg 600
 agttctcagc acatagttct ttaaagctgt gacacaggat gagatcatca agaggggtgga 660
 tgtcaatagg gaagctgtcg gccgggtgcg gtggctcacg 700

<210> 97
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 97
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 tttaaagctg tgacacagga tgagatcatc aagaggggtg atgtcaatag ggaagctgtc 180
 ggccgggtgc ggtggctcac gcctgtaatc ccagcacttt gggaggccaa ggccgggtgga 240
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 aaaaatacaa aaattagctg ggtgtggtgg cagggtgcctg taaccccaga tactcaggag 360
 gatgaagcag gagaatcact tgaacccagg aagcagaggt tgcagtgagc ggagattgtg 420
 ccattgtact ccagcctggg tgacagagca agactctgtc tcaaaaaaaaa aaaaaaaaaa 480
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 ccatttcagt agctcagcaa aagagactga aaaggactag caagtacagt aggagggaaa 600
 cctggagaaa gacttctgag gaggatggca tagtccactg tgatagatca actattttaa 660
 aatatgaaga cagagattta gcatcttggg gtcacaggtg 700

<210> 98
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 98
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 ggaggatggc atagtccact gtgatagatc aactatttaa taatatgaag acagagattt 180
 agcatcttgg agtcacaggt gatcctgggtc agggatgatt cagtggaaac gttggagtga 240
 gaatctgact acagcaggtt ctaaagagag gagctgaatt tgggagctga gggatggagt 300
 tggctggtga cagcaggagg gctggaagca gaggagagg gatctaacct acattgggtc 360
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 tactaacact gggccagggtc ctccagcttg ctgagcacca cccagggtctg gtcctataag 480
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 gctcttggat agcttgctt ctgtgcagga gataaataat 700

<210> 99
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 99

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tcctttctcc taatgggaag tcagagtggg caagggactc tgctcttggg tagcttgcc 180
tctgtgcagg agataaataa tcaccaagga aatggatatg caggcaggta acttcagatg 240
cagatgggtg ctatgaagac agtaagctgg ggtgaaacac acagagtaag tgtgggagcg 300
acctcctttc gccaggctgt gtggtcaggt gcctctctgg gaggtgacat ttaggatgac 360
acctagacag cgatgccag cttattctcc tcaagctggc ctctcctctg ctgctccag 420
ccttccccgt ggcttctaca atatctgcac tctgggaaca aggccaaggc cttgggccat 480
ctaagtgcaa agccaaaagg aaacaatcct cttctctcgc caatacacac catgggaact 540
ttttctccat gattacaaaa tacgtgcatt ttcactgaag gaaacttggg aatattgaaa 600
acaggagaaa acgtgtcatt ctactacca gaaataacta caattaactt tggatgcatc 660
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<210> 100

<211> 700

<212> DNA

<213> Homo sapiens

<400> 100

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atacgtgcat tttcactgaa ggaaacttgg aaatattgaa aacaggagaa aacgtgtcat 120
tctactaccc agaaataact acaattaact ttggatgcat ccttctagac attcttctat 180
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ttttcttcta cataatgagt ttaaattggc gcattaaaag tatttcatta tatgtagatt 360
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ccaatctctt atttccttgg gttaaaacaa aatgtcactg ccagtgaggc gtgccatggg 540
tctcatggca gcctgaggct gagggcatgg gagggcagga atgagcccca agcctaagga 600
gccactcaga tgccagaggc tgatttagtc ctatgacatg ccaggctctg agttttcctc 660
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<210> 101

<211> 700

<212> DNA

<213> Homo sapiens

<400> 101

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tgagggcatg ggagggcagg aatgagcccc aggcctaagg agccactcag atgccagagg 120
ctgatttagt cctatgacat gccaggctctt gaggtttctt ccctgaggg cctgatcagt 180
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tctagggtaa ggtgggaggc caccagatga gggtttgaat ccaggctctg acattccagc 600
ctcgtcttgg gcaagtgact tcacctgtgg aatgtgagct acgaggaagg aacttagatt 660
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<210> 102

<211> 700

<212> DNA

<213> Homo sapiens

<400> 102

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ttcacctgtg gaatgtgagc tacgaggaag gaacttagat ttgcggccct tagcattcaa 180
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atacagttaa cactctactg tttgagaaac attagagtcc aaagccctgg agggctactt 360
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gctactacca caccctagac atacctctgg tgtagtatgc agcacattgt gtgtgtactt 480
gtccaactcc tccatgaagc ttcagggcag ttaaagacaa gaattttgcc tctctatcgt 540
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aaaactgagg cttagaaaga ttagatgcct tgcccaagtc acacagtgga gagtaggaga 660
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<210> 103

<211> 700

<212> DNA

<213> Homo sapiens

<400> 103

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tatgaagtaa gcaagggcat tatttccatt ctacaaatga gaaaactgag gcttagaaag 120
attagatgcc ttgcccaagt cacacagtgg agagtaggag agcaagacct aaacctgggt 180
ctcatttctg ggctgtgtt ctgtaaacca aaaagaaaat tccaaggcac cccccagctg 240
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ctggaggcct catctgcata ataaaacctt ggtccccata gccccttctc gtaaccaga 480
cattcctttc tgttgctttc tattgataat aactctttca accaattgtc aatcagaaaa 540
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ttttggacag aaccaatgta catcttatat gcattgattg atggctatgt ctccctaaaa 660
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<210> 104

<211> 700

<212> DNA

<213> Homo sapiens

<400> 104

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acatcttata tgcattgatt gatggctatg tctccctaaa atgtataaaa ccaaattgtg 180
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gattgtttgt gccccagcag caggatgatg gctgtagagc acctgctcag gagttggcct 660
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<210> 105

<211> 700

<212> DNA

<213> Homo sapiens

<400> 105

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cctctagttc agcataagct gaggcaaagg gggccccag gttccctcta ctggtgtgga 60

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gcccagccgg caaggggact ggggatcggc ggcccagagt tgattgttgt ggccccagca 120
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gaaggctccc taccagacca cacacatctt gatgtactca ccctgtgagc ccaggacccc 240
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gaccaggatg gttctgacaa ggacatccat agcatccaca gaggggtgctc cctccccagg 660
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<210> 106

<211> 700

<212> DNA

<213> Homo sapiens

<400> 106

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aggacatcca tagcatccac agaggggtgct cctccccag gcaacaaact ctccctccct 180
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gaatctggaa gggacctatg atatgagaaa aaacaaacaa acaacaaac agaccaatta 660
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<210> 107

<211> 700

<212> DNA

<213> Homo sapiens

<400> 107

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gatatgagaa aaaacaaaca aacaaacaaa cagaccaatt atctctttat tgagaccaa 180
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tgcattgcag gctacaaata atcctgatgt tgcacattta aaatagtgcc ttgcttcaac 300
tgcttcagtc tatcagtgt aactgtgtct cccctggcag gtatgctgtg ggggacagtg 360
cagggtttgt ctctgtagga ccaaactcag tatgaactta tcacctgcct gtgtgtacag 420
ctttaagctt caggtagagg gtgttataaa ccctggagta ggacttccct agagaacagg 480
tcattacact atgtccatct attgaggccc taaattaagt ctacagaatt aggcctaaac 540
tccgcagaca gtagccaaag gtctcaggct ctggcccact ccacctgtcc atccacacct 600
ccttctcatc ttgcccctca ctcaactaac acagtgccca aaggagatg cagttgcctg 660
gacaggctgg ctttggctta agctaggggt tcttaaagaa 700

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<210> 108

<211> 700

<212> DNA

<213> Homo sapiens

<400> 108

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tattgagcc ctaaattaag tctacagaat taggcctaaa ctccgcagac agtagccaaa 60
ggtctcaggc tctggccac tccacctgtc catccacacc tccttctcat cttgcccctc 120
actcacttaa cacagtgcc aaaggagat gcagttgcct ggacaggctg gctttggctt 180

```

```

aagctagggg ttcttaaaga atagtcccca gaccagcagc atcagcatca cctgggactt 240
gttagacctc ctgaattgga acctgtggga tgagactcag caaactgttt taatgagtct 300
tctaggtgat tttggttgca ctaaagtgtg agaaccactg ggtgagccat tccctgagcc 360
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gctcaatacc atctcttttg ggaagccccc gtagtcccc aagtacttgt gaaggcctct 480
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ctgcttctct ttgcagcatg tattttctgc tttgttttat agtaaacctt gagcagttgt 600
taactgcctt cccacactga ttcccctcta acacacaaat gttactctgt aaaggccatg 660
tcttacttca ctcattcttt tttatttttt atttttgaaa 700

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<210> 109

<211> 700

<212> DNA

<213> Homo sapiens

<400> 109

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tttgtacccc catcccccat tctagtgaag gaccttcatt tctgcttctc tttgcagcat 60
gtattttctg ctttgtttta tagtaaactt tgagcagttg ttaactgcct tcccacactg 120
attccctctt aacacacaaa tggtactctg taaaggccat gtcttacttc actcattctt 180
ttttattttt tatttttgaa acaaggctct gctctgttgt ccaggctgga gtgcagtggtc 240
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tcccaagtag ctgggattac aggcctgtgc tactgcgccc ggctaatttt tgtattttta 360
gtagagacag gggttcccca tgttgccag gctggtctcg gtctagactc aagtgatccg 420
cccaccttaa cctcccaaag tactgggatt acaggagtga gccactgcgc ctggtgcaat 480
ttgtcatttc tttgaataaa tgtccactga ggatctgctc tacatggcgg gggctgtgct 540
aggcactggg gttcagacaa aggtgcaccc ttatacttat catccaggag ccagtggggt 600
gaatggcaag gtggctggca attgcaatac tttgagtagc actgagacag aatgcttcca 660
accacagggg gccccctcat gccccctcct gttgggaccc 700

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<210> 110

<211> 700

<212> DNA

<213> Homo sapiens

<400> 110

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atgtccactg aggatctgct ctacatggcg ggggctgtgc taggcactgg ggttcagaca 60
aagggtgcacc cttatactta tcatccagga gccagtgagg tgaatggcaa ggtggctggc 120
aattgcaata ctttgagtag cactgagaca gaatgcttcc aaccacaggg ggccccctca 180
tgccccctcc tgttgggacc caccacaaaa gtaacctctg ttctaacttc catcaccaga 240
gattaatttt atctgttttt gccttttgtt tgagacaggg tcttgttctg tcgtccagga 300
tggagtgcag tgggtgcgatc atagcccagt gcagcctcaa acgcctagac tcaagcagtc 360
ctcccacctc agcctcttgt gtagctagga ctacaggcat gtgccaccat gccagctat 420
tttttttttt tttaaagaga cagagtcttg ctatgttgcc caggctgggtc tcaaactcct 480
gggtctcaagc attcctcctg tcttgacctc ccagagtgtc gggattacag gtataagcca 540
ccgcacccgg ccaattttat ttgtttttta acttcatata aatagaatca tacaatgtac 600
cttttcgggtg tctggcttct tcccactaca cattatctgt gcgatccatg tatgctgtta 660
tgtatagaca cagtttggtc ttttttaaga ttgctgtgtt 700

```

<210> 111

<211> 700

<212> DNA

<213> Homo sapiens

<400> 111

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gtcttgacct cccagagtgc tgggattaca ggtataagcc accgcacccg gccaatttta 60
tttgttttta aacttcatat aaatagaatc atacaatgta cctttcgggt gtctggcttc 120
tccccactac acattatctg tgcgatccat gtatgctgtt atgtatagac acagtttgtt 180
cttttttaag attgctgtgt tgtatcccat tgtgtagata tgacacaatt taaccattct 240
actggtgatg gccatttgtg ttgtttctag tttggggctc ttatggagaa agatactatt 300

```



```

agacataaga caaaaacatt ttggttttatg tccgctgggtg gacattctgg acattcgcac 360
tcattcctct tgagtatgta cctagagggtg gaactgatgg tttatggaat gggatatagtc 420
ttagcttttag tagatactat caaatagttt tccaaagtga ttgtaccaat gtacactcct 480
accagcatat aaaagtgttt gccaacattt ggtatcatca gtcttcaatt ttagtccttc 540
ctgtgggtat agagtgttat cttttacggt ttaatttgct tattggctat ttatatatcc 600
acttttaaga tgttcctgtt taagactttt gcctatttgc ttttttctta tttacttaca 660
ggaattcttt ggaccttctg gatataagcc ccagtcgtct 700

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<210> 112

<211> 700

<212> DNA

<213> Homo sapiens

<400> 112

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tgccaacatt tggatatcatc agtcttcaat tttagtcctt cctgtgggta tagagttgta 60
tcttttacgt ttttaatttgc ttattggcta tttatatatc cacttttaag atgttcctgt 120
ttaagacttt tgcctatttg cttttttctt atttacttac aggaattctt tggaccttct 180
ggatataagc ccagtcgtc tgtcggatat gttacagaga atatcctctc ctcttccagt 240
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ttcaagtgat tctcctgct cagcgtccc ggtagctgag actacagggtg cccaccacca 420
tgcccggtc atctttgtat tttcagtaga gacgggattt caccatattg gccaggctgg 480
tctcgaactc ctgacttggt atccgcccat ctgagctcc caaagtgcc ggattacagg 540
tgtgagccac cgcaccacaga cgcctttcca ctctttaatg gtatttttga tgaacaaaag 600
ttcataaatg ttcaattttac ccatcttttc atctatggct agtgtatcct gcttaagtaa 660
tcttagttcc aagaagtcca gttaacagaa ataacaaaaa 700

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<210> 113

<211> 700

<212> DNA

<213> Homo sapiens

<400> 113

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gatccgcccc tctcagcctc ccaaagtgcc gggattacag gtgtgagcca ccgcacccag 60
acgccttttc actctttaat ggtatttttg atgaacaaaa gttcataaat gttcaattta 120
cccatctttt catctatggc tagtgtatcc tgcttaagta atcttagttc caagaagtcc 180
agttaacaga aataacaaaa attactaata ttaaaaaaga caaagaagtg aaggaaaaaa 240
ttggatgggtg ggtgtgggag aaggactgca tcagatcgtg agagtgtgct cacttgactg 300
tgctgtgcaa agcccgggcc ttgtcctgtg ttgtgggtat gatgggagct gaacccccag 360
gcagtgcac aaacatgccc tctgttttgt tcagatgctg cgccagggtg tggaaagggc 420
tctgtgggct gtagggggac cctggctcaa tggcttaaga gaaagatcac tccttttcat 480
gtgtgttaag ctgggtctga ccccaaacc ctggagactc ccttttagtcc aggccttgcg 540
cctctgtgcc agagcctgca aagacagcag tgctgacact tgtccagctg gctcacaaaag 600
gggaaattct cccctccttg agtcaccaca tagacaggag gagcttcaaa taacaagcgc 660
tcgactccaa acgatcccta tgctcatttc acgatgctgc 700

```

<210> 114

<211> 700

<212> DNA

<213> Homo sapiens

<400> 114

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acccccaaac cctggagact cccttttagtc caggccctgc gcctctgtgc cagagcctgc 60
aaagacagca gtgctgacac ttgtccagct ggctcacaaa ggggaaattc tcccctcctt 120
gagtcaccac atagacagga ggagcttcaa ataacaagcg ctgactcca aacgatccct 180
atgctcattt cagcatgctg catcactttc aaaatcccct gtgatgcttg tgtatgaagt 240
ctagatccag aaactttccc catgttttcc ccagtttgag tagaacaata ccctgggagt 300
cacaagctac atcatacaat tgacttccct aaaaaaaaaa aaaaaaaaag agatcttgga 360
ctcaaggtta tgagtttgca gtgtcctttg cagggtcttt taaatcccct agtggcatat 420

```

```

gaaactcttg atgtttgtga attttcctgg ggaaaggggc tatgtgtgcc atcagattcc 480
ggaaggggtg tatgacctca aaaaaaggta agactcactg gaccgagtcc cctttaagga 540
tagtttgcag tcctcttctg ctgggagggt atggtagtag gcttgccaag aggacctcaa 600
cctaccagat ggatgcgac tgccatccac ctccccagca taaagccagt tcataaagcc 660
agctccagca tctctggggc agttttcttc ccatccaggg 700

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<210> 115
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 115
aaaaaaagggt aagactcact ggaccgagtc ccctttaagg atagtgtgca gtcctcttct 60
gctgggagggt gatggtagta ggcttgccaa gaggacctca acctaccaga tggatgcgat 120
ctgccatcca cctccccagc ataaagccag ttcataaagc cagctccagc atctctgggg 180
cagttttctt cccatccagg gtcaagctct tggcggtta gagatgcagt gtgccagtcc 240
caacaccatg gctgtgtgtc actgcagatg aaggcatact ttttttctag gacgtgcagt 300
gacccacttt ggcagcagac actcatttct gatatttttg tatgccaaagt cttgggtaaa 360
acaactaagt gatctcttaa ggaccagggt tccttttttg tcctgttcc ttgccctca 420
ccaccacttt ttccatgtgc caccctctca taagaactca gaagcccagg gtggagtcaa 480
aggggtcttt taaatccct agtggcatat gaaattctgg atgtttgtga attttcctgg 540
ggaaagggtc tatgtgtgcc attagattct ggaaggggtg tgtgacctca aaaaaagggt 600
aagaccact ggaccgagtc ctctttaaat ggaagtgcac ggatcagttt gataaaatta 660
atztatagta atgagctatg tatcttttag taactgcact 700

```

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<210> 116
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 116
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cattagattc tggaaggggt gtgtgacctc aaaaaagggt taagaccac tggaccgagt 120
cctcttttaa tggaagtgc tggatcagtt tgataaaatt aatttatagt aatgagctat 180
gtatcttttag ctaactgcac ttctaaaaag acatctggga agggagaacg cttaactaaa 240
attattatta taattattat tttttgagat ggagtattgc tcttgtcgcc cccaggctgg 300
agtgaatgg cagcatctca gctcactgca acctctgcct ccagggttca tgcaattctt 360
gtgcctcagc ctctgagta gctggaatta gaggtgcccc ccaccatgcc cagctaattt 420
ttgtattttt agtggagaca gggtttcacc atgttgcccc ggctgggtct taactcctga 480
cctcaagtaa tctgcccacc tcagcctccc aaagtgttgg gattataggc atgagccact 540
gcacctgacc taaaattata tttctaata caaaactgag gtacagctca taactaaata 600
ggggagaatg acattaaagc cactcccatc actaaaaaag accaattttt ctggtctaga 660
tggcttttta gaggtcctg gagcaggaac aaggggttag 700

```

```

<210> 117
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 117
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atctctaagt acaaaactga ggtacagctc ataactaat aggggagaat gacattaaag 120
ccactcccat cactaaaaaa gaccaatttt tctggtctag atggcttttt agaggctcct 180
ggagcaggaa caaggggtta gtgactacga tgtgtcaaaa gagacatagg catttctcag 240
ataaacctca gctcttcggt cttgagagaa ggaaacatt ccaacatgac ttaggggccc 300
aaggaccctg tttccacctc atatcagatt gtcaaatggg aagggtgtgc ctagggcaca 360
cactccctcc cgaaagggct gagtccccag aagacctatg tctgctccat cctgggtccc 420
tgctctctcc tggagacaag atacagctgc ctgtatgagt agcagtctgg ggcctcctcc 480
tcctccctc tgccccaccc cactcctccc tgcccgcccc catacacact gggttcttcc 540

```

```

tcccctgctc tctctcaaga agccaggccc ctgccccac tcacagtcag aaggaagtga 600
ttctgcaagg cctcccaggg actcccagga ctggctcaag gcacagact gttaaataag 660
tggtattttt tcagtgtttg tagaaactgt tgtttaaaaa 700

```

<210> 118

<211> 700

<212> DNA

<213> Homo sapiens

<400> 118

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ccactcctcc ctgcccggcc ccatacacac tgggttcttc ctcccctgct ctctctcaag 60
aagccaggcc cctgccccca ctcacagtca gaaggaagtg attctgcaag gcctcccagg 120
gactcccagg actggctcaa ggcacagac tgttaaataa gtgggatttt ttcaagtgtt 180
gtagaaactg ttgtttaaaa agatgtaacc atccaaactg tttatgtaac ccttgggaag 240
tctcaacaga tatggttccc tatttataac tgtggccagg actttaaaaa tacaagtgga 300
gggggactgt caaaatcaga gaggttgtca cgttacagtt gtatgcttgc ataactgaat 360
tcagtatttt gctctaattt gagaagtttc tttttattca cttttctcct tttctggttt 420
tctcttcttt tgttgtccac tgctgtgcac catacactcc tgacattttc tgagaacatc 480
agaactattt ctctgaagtg gaggttcaaa ataggggttt ttagaatgac caaataataa 540
tgaacactaa aattcatttc aaagcctagg actagtctat tcatactgat attcctagtc 600
tacaagggtg aacatagctg tcttctcgcc gccagccctt acacctgcag gggcctgctc 660
tgtctctggg ttgtccgctc tggaggtagg tgtcagacca 700

```

<210> 119

<211> 700

<212> DNA

<213> Homo sapiens

<400> 119

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ggaggttcaa aataggggtt tttagaatga ccaaataata atgaacacta aaattcattt 60
caaagcctag gactagtcta ttcatactga ttttcttagt ctacaagggt aaacatagct 120
gtcttctcgc cgccagcccc tacacctgca ggggcctgct ctgtctctgg gttgtccgct 180
ctggaggtag gtgtcagacc acctgggtctc actttcctag gtccaatctc tggatctatg 240
gcaacagaat ccacagggtc ctattcccat acagggggaa tgcaaagttg ctgggggaca 300
atcacagtgc aaagctgaga tctgggcttc tttctagagc cattctgagg tcttcatcac 360
tcacactaac aatccaacta aaacctggct ctgtaggaa cacatcctct tctttattag 420
ggaggtgttt ctctgagtta acatagtagc agtttcgttc acagatcttt ctggcaaaaa 480
agaatccgac gagagctatg cctccaccaa aggcacagtt tgataaacact ttgggggaagg 540
atgggttcata gctcctgaag aagaaagagt ctgtgataag aacctctggc ccacaggctt 600
cttcacacta cacaacttcc aaaatcccta accactgcta atagctagga ggaggatagt 660
gactgttccc aacacaaaga gatgacaaac atttgagatg 700

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<210> 120

<211> 700

<212> DNA

<213> Homo sapiens

<400> 120

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gcctccacca aaggcacagt ttgataacac tttggggaag gatggttcat agctcctgaa 60
gaagaaagag tctgtgataa gaacctctgg cccacaggct tcttcacact acacaacttc 120
caaaatccct aaccactgct aatagctagg aggaggatag tgactgttcc caacacaaag 180
agatgacaaa catttgagat ggtggatag ctaattaccc tgatgtgatc actatacata 240
atatgtattg aaacatcatt atgtaccttg taaatatgta taatcattat aacacacaat 300
atgaggtccc agacaatgat aatacataat aattatacgt ttatgggata catagtgatg 360
tttcaatatg tataaattga agtgggtgta attatgtata aattttaact acattaaaaa 420
ttacagaaaa ataaatttta aaaaacaaaa caaaaaaat tcttaactgc tgtcaagcta 480
gcactgacaa ccgaagcctc agcccagtac ctccctgctt ccacctgtgc tgaccaccct 540
aagagagaag gcagaggcac acagccctta catcttgggtg gggaaaccct agggtttcct 600
ctgagggcct gacagattga aggggttgaa aatgagtgga ggggtgtggc acctcagctc 660

```

tagcctcctt ctgctgaggg acagtggcca aggaacatcc

700

<210> 121

<211> 700

<212> DNA

<213> Homo sapiens

<400> 121

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cagcccagta cctccctgct tccacctgtg ctgaccaccc taagagagaa ggcagaggca 60
cacagccctt acatcttggt ggggaaaccc tagggtttcc tctgagggcc tgacagattg 120
aaggggttga aaatgagtgg aggggtgtggc cacctcagct ctgacctcct tctgctgagg 180
gacagtggcc aaggaacatc ctcatagatc caaaggaagg tggagagtcc ctctttgtcc 240
tctccaccca cctcatcccc accacgacct gatgtcactc cctgctgtac ccaccccgga 300
aacccttagc cacttcccac aggtccactc ccagggaaagt tctttaattg gtggatgtgg 360
gaaagaggaa gaggaaaaat atcattttcta ccttcccaat tccctgtatc ccatgagcct 420
ccagtctgaa aatgattacc catctgacct ggagctctca tcctaggtat cataatggct 480
cttctttttac ccataaggag aatgggtaat gaagaaatgc aaaatcccaa ctcatgaaaa 540
tgtggttgaa aaaggggaaga ccataaaaag ttctcatttg ttgaccagag acaataaagt 600
gattacttaa aaaaaaaaaa acccacctct ggggtctttc caaatcatgg agaaaaataa 660
aaacagggga agacatgctc tagtcttaaa actccaatgt 700

```

<210> 122

<211> 700

<212> DNA

<213> Homo sapiens

<400> 122

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gaatgggtta tgaagaaatg caaaatccca actcatgaaa atgtggttga aaaaggggaag 60
acccataaaa gttctcattt gttgaccaga gacaataaag tgattactta aaaaaaaaaa 120
aaccacctc tggggtcttt ccaaactatg gagaaaaata aaaacagggg aagacatgct 180
ctagtcttaa aactccaatg tggccccaga ctgggtgagcc ccaacaacag taaataccca 240
ccctcagcag ccttctgccc acctcacccc accaatacta ggtcccagac aagtcaacaa 300
acacttattg accatgtact gtgtgcttcc aaccattccg ggagtgggaa ttctgcaacc 360
tcaaggtgct ttgcgaggag cagggaaaca gctcagtcaa catttactgt gtgctgacgt 420
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gggaagtact aatatacaca tagcaccata ggagcaagga acaattaatt ctacatgggtg 540
aggtcaacca gagaagatga tttttaagtt gggccttgaa agcacattag gattttgctg 600
ggtataactg ggaaggagtg gcattccagg cagaaagaac tgagtgagca aaggtcaggg 660
ttggggttgg tatgggcagt tggttgtatg tgatacggcg 700

```

<210> 123

<211> 700

<212> DNA

<213> Homo sapiens

<400> 123

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atagcaccat aggagcaagg aacaattaat tctacatggt gaggtcaacc agagaagatg 60
atttttaagt tgggccttga aagcacatta ggattttgct ggggtataact ggggaaggagt 120
ggcattccag gcagaaagaa ctgagtgtgc aaagggtcagg gttgggggtg gtatgggcag 180
ttggttgat gtgatacggc gtgtagttag gccagtgttg ccagaacacg ggggtcagaga 240
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tgccattcaa aggacctgtt gcatggagtg cagacagctg acaggctgca gcctcggatc 360
cacaccattc aagtcagacc atgttgcttc ctgggtggcc ccagccaat gacagaacat 420
ggcaggggtg ctggggcctg tccattttctg cccaaagtgc gactcttctc ctgggcaatc 480
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gtctgaaagc tgtcttttct ctccgtactt ctgctccttt ctcttttctc tttcatagga 660
attagctctt cttaccccca ataaatcttc tgcacttttc 700

```

<210> 124
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 124
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 tccttccctc tcttgctgcc cagagttaga tctggactgc agtctgaaag ctgtcttttc 120
 tctccgtact tctgtctcctt tctcctttat ctttcatagg cattagctct tcttaccctc 180
 aataaatctt ctgcactttt cattctgttt tgggtgtctgc ttcccagagg actccaactg 240
 agaaggagct tagatgaatg tttgggtttt gctgacagtg aggagccact gaggtatttt 300
 aaacagggca agccatggtc agatctgagt ttcataaaag caattctagc actaggggtga 360
 agagccgggg ggtggggaga cagggaagca acaggcaatg aaaagaccat ttaaaaggac 420
 actgcactga ttggtacaag gtttcaacaa gggggcaactg gaagtatata caacttacta 480
 tgtatatacc ctttaactca acagtctcaa ttgtagaaat ctattttata gaaacactag 540
 cacaaatgca taaaagtata aaaatgagga tgtagtggcc tataaatatt atcaggacat 600
 tgaaaaactt tgtggtcatc tgtaggggag gagatgaact agcagtacat ctacgtgggtg 660
 gaatacatat caagcagcct ttaaaaagaa gacagcaggt 700

<210> 125
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 125
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 aaaaatgagg atgtagtgcc ctataaatat tatcaggaca ttgaaaaact ttgtgggtcat 120
 ctgtagggga ggagatgaac tagcagtaca tctacgtggt ggaatacata ccaagcagcc 180
 tttaaaaaga agacagcagg tctctatgta ctgtcataga gaaatataca caatagactg 240
 ctatttgtaa aaagccgggt gctagccggg agtggtggct cagcctgta atcccagcac 300
 tttgggagac tgaggcgggt ggatcacctg aggtcaggag tttgagacca gcctggccaa 360
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 ctgtaatccc agctacttgg gaggtctgag ctggagaatc gcttgaacct gggaggtgga 480
 gggtgcagtg agccaagatt gtgtcactgc actccagcct gggcaacaga gtgagactct 540
 gtctcaaaaa aaaaaaaaaa aaaaaagcca gttgctgtac aaagtatata gcagctccc 600
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<210> 126
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 126
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 tgcatacgta tatttataaa gatccacatt tgtttgata aataagtctg gaaagagata 180
 tatcaactgt tgacagaggt cacctcttga aggtgtagg gctttcactt tttactttct 240
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 gaagatgggt catttctctt atcagaacac aaaattttta tttaaaaagc ttcatatcta 360
 cttagaaaac catataaaaa ttctttatat tgtatttcca gagaagaaat aacaaaaatc 420
 tcctagaatc gttgagaggg ctgtcagcgg cctggctcgc gtaaagagaa attagagatg 480
 agttggaata gagccgaaca cagggtggtg aagacagaag ttccagaaga agccaagagt 540
 gctatcttga gtagtgggca ggtgaccac agaaggcgg tgggtgggaa gtaggagtga 600
 gaggggtctg tgctgaatgt gccagccttc aggaggctca ggccaggaca ggggtgtataa 660
 acaagagggtg acgctggctc ctgctttaga actcaggaga 700

<210> 127
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 127

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tgccagcctt caggaggctc aggccaggac aggggtgtata aacaagaggt gacgctggct 180
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gaaaaaccag aaaaatatgt gtgaatactt atctaagggg ggaagaattt tggataaaag 360
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acagaactca taaacaaaat caaaagacaa gcaaaaacaa ggaattatat ttacagcaac 480
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<210> 128

<211> 700

<212> DNA

<213> Homo sapiens

<400> 128

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gtgaaaccgt gtctctacta aaatacaaaa atttagctgg gcatggaggc ttgcgcctgt 180
aatgccagct actcaggagg ttaaggaagg agaatcgctg gaattgagga ggagagttt 240
gcaatgagct gagattgcac cactgcactc cagccaagga gacagagtga gacttcatat 300
aaaaaaaaa gcaaaaaaca aaacaacaac aacaacaaaa ccaaaaaaac acagatgagt 360
ttgtaatcag taataaaaat acactctcca aagaaaaaca gcactggagc tgggcatggt 420
ggatgtgcc tgtaatccca tctactcagg gggccaaggt gggaggattg cttgagccca 480
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ccaggtatgg tgggtgcacac ttgtagttct agctactctg gaggctgagg taaaaggatt 600
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<210> 129

<211> 700

<212> DNA

<213> Homo sapiens

<400> 129

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aggctgcagt gagctatgat tgtgccactg cgctccagtc tggttgacaa agcaaggccc 180
tgtctcttaa aaaaagaaaag aaaaagaaaa acagcattga ttatgggtatt gtgtattata 240
aacattatth tgtattgggtt agaattttgt tcagttacat aaaacagaaa acaatagtgg 300
cttaagcaag atgggatttt ctttctttct ctcactgaaa aaaaaggctc agaaatgatc 360
agttcagggc tgggttggtg acttcagggtg tcaccaggga cctacgcttc ttctggctca 420
tcttgcccc attcctaaag tgcagctctc attctcatgt cttgtggtag ttgctagagt 480
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tgtccggaac ccagccacat gatcacactt tgctgcaaaa ttgccagggg aacgtagttt 660
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<210> 130

<211> 700

<212> DNA

<213> Homo sapiens

<400> 130

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tgatcacact ttgctgcaaa attgccaggg gaacgtagtt ttcagctggg tggaaaaggg 180
atcagcaaaa aattgggtttt gttactaaga aagaggggaat ggatactgta gagcaatgag 240
cagtttctaa catacatgtg acaaaaatta tcaaaagaaa tacaaatgta aaagatttca 300
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tcataaggac cgactgtctt cataagaacc ttgggacaat gcacatgaac agaacagagt 480
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cctggctgtt ccccaaagt ctccctcaa ctcccaagt acatcagatt ctgtaaattg 600
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<210> 131

<211> 700

<212> DNA

<213> Homo sapiens

<400> 131

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ctgtaccag ggattctcta actaaactat ggctaaaatt aaattttagg tgtttttgaa 180
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aatgggttgc tgattgggaa aaataaccaga gtaaaactgat gtttcatgaa gtctggggga 660
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<210> 132

<211> 700

<212> DNA

<213> Homo sapiens

<400> 132

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aaaataccag agtaaactga tgtttcatga agtctggggg agcagatctt tagggcatgg 180
gaagcaatat gatataatga cgaaacgtgc ccatgctttg gaatcagaaa cacctggatt 240
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aggcagctat tggaagggtg tctggcagga gctgtgggct ccagtggagg atgcagttgg 600
cctaaagcga cctgataggg accgggggga ataacttaac cacttgccct cctcggggaa 660
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<210> 133

<211> 700

<212> DNA

<213> Homo sapiens

<400> 133

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<210> 134
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 134
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gagtaagttaa gagaaaagga tggagaaaac tgtatgttcc ctatgaggct ggaatgaacg 180
caagattatc ttactttaaa atcaaatacat gcacttattg ggatgtgata acagtgcgtt 240
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ggaatctgtc ttcatccgc aagctattct ccagtgtctg gttcaggctc tagagcagag 660
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<210> 135
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 135
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caagctattc tccagtgtct ggttcaggct ctagagcaga gcattccagg ctttctgtga 180
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<210> 136
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 136
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acaaacacca aagcaagtta accaagctat atgttctaga acattcttcc tctcctcctg 180

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tcactctggc	tctcctgccc	ctacagcaga	caggacagag	tctgctcttt	cacctgctct	240
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ggtgctctag	agaaactcag	aaagggctga	gtctccttat	gacattgcag	ggtgggaggg	660
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<210> 137

<211> 700

<212> DNA

<213> Homo sapiens

<400> 137

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gaaagggctg	agtctcctta	tgacattgca	gggtgggagg	gggacctcag	ttcccttcct	180
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cccagggttc	ctggctggcc	tggcaccacg	caggaggcag	gcacagtggc	cagcacggtg	420
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ctagctgtgc	cacagaacag	ggcaaatctt	tactagctgt	ggactcactc	cctgccccct	600
ccattcctgc	agaaattgct	ctaccagctc	agcagagggc	caggctctgga	atctctcacc	660
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<210> 138

<211> 700

<212> DNA

<213> Homo sapiens

<400> 138

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ctgaattgag	tcacttttcaa	tcctttctgg	agtaggatgg	ggcatttagtt	aattaacaaa	660
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<210> 139

<211> 700

<212> DNA

<213> Homo sapiens

<400> 139

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<210> 140

<211> 700

<212> DNA

<213> Homo sapiens

<400> 140

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<210> 141

<211> 700

<212> DNA

<213> Homo sapiens

<400> 141

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<210> 142

<211> 700

<212> DNA

<213> Homo sapiens

<400> 142

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ttttatagag	gtagaaactg	agagttgaag	aggctgaata	atttctcaag	cacactccca	300
actcgaccac	ccacaagcaa	aaaggcagag	ctgggattca	aacacaggta	tgactgtgtg	360
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agaaatctac ctgtgtgggtc tttaaaccta ctctgacagg agcaagggcc accactctgt 480
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atctatgccc ctgcccccta gcgcaaaagt ctgtttctct tcccaaatgg cccgctggga 600
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<210> 143

<211> 700

<212> DNA

<213> Homo sapiens

<400> 143

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caggaaggac tacaggatct ggcaggcagc aggtggcggt gggaggagga ggtcctggg 300
agcacagcac tctaacccc ctctgcctct cacagaacaa agaggagtc atgccatgtc 360
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gttgagggaag tctgtctccc caatccccta caaaagccag aaccagctac taaggggtta 480
gacacagaca gaactgtcta tattaacatt tctcctaaa aaacaacagg aatcctgggg 540
aaagaccact ggctgggac tccatgagcc ctggcttcta tctctggctt tatcaggta 600
ccacaggcaa gtcacctagc ctccatgggtc taggcctcc tgctgttgg gtgggaatca 660
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<210> 144

<211> 700

<212> DNA

<213> Homo sapiens

<400> 144

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cctccatggg ctagggccct ctgcctgttg ggtgggaatc attacatatc acaatcatta 180
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ttttacagag atcaaggaca gaggtaaaag tgttttgaaa gcaaaaaaaaa aaaagcgggg 480
aggatgcata aaataaacat aaatcacccc ctgccccgcc cagacataat tcagggaaga 540
gtcctaaccc ccaagaacct tctgtggaac ttattcgcaa catcagagac ctccaacata 600
gaaatgaccc tcaataagtc atttctttct tctctttcc cttcaggcag gaataatata 660
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<210> 145

<211> 700

<212> DNA

<213> Homo sapiens

<400> 145

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catttctttc ttctctttc ccttcaggca ggaataatat aactaactga attatacag 180
tgagaccacg aaggtcaagc aagggtgacc agcttaggcc cctggctggc aggtaaggag 240
gagactgacc ccagcctcct ggctcctagg ggaggaaaca gtgatgacaa agggcccttt 300
gcatggccaa ggtggagccc tttctaccaa agtttaaagc ttttagtata atatccaagt 360
gcatcttttc caaccttaaa aacatattta atttccttat aaagctgggt ggcactctcc 420
tctcctcca aagctctgta ttaggcaggg ttcatagttg tagacaacag aatgaacagt 480
ggttagtcca gccagaaaag ggatgatata ggaggatact gggttgatca aaggctctct 540

```

```

gggagggctg cagatttaga gccagtcagc caggaacgat gcctgaaaca taccttagag 600
ctggagaaaag aacaaaaacc tacctttctt caatagctgg caaggtggca aggtctggcc 660
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<210> 146

<211> 700

<212> DNA

<213> Homo sapiens

<400> 146

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ctacctttct tcaatagctg gcaaggtggc aaggtctggc cccatgcagc ctgggtctct 180
cccactctcc tctctcccta atgcgttgcc ctactcgctg ctcccaggc aatcccacct 240
caggtctatg aacttgccat tccctctgcc tgcaacctag acattcacat tgctagctcc 300
ctggctagct caaatgccag gtttctgcac aaatgctcct ccttagagag gccttctctg 360
acctctaggt ctctggccct agtactctat cccctctccc tgctttctct ttctacttca 420
ctgctcctta acattgtgtt atacattgtc tgtctcccca actggaatgt aagtggcacc 480
agggcaggga cttgggttgt tttgttccct gctgtaagcc cagggcccag ggccagacct 540
ggaacaatta ggtgctaagt tatttgctga atattctatg aaggaatgac aaaggaatgc 600
ataaagaact tcaaagtcca actcctcgaa cttcaaactt caaatcccca actcctctctg 660
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<210> 147

<211> 700

<212> DNA

<213> Homo sapiens

<400> 147

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ttatttgctg aatattctat gaaggaatga caaaggaatg cataaagaac ttcaaagttc 120
aactcctcga acttcaaact tcaaatcccc aactcctcct gcctatgctg gacgattagg 180
gcagtaacag gagtcaactt gtgctgtgct gtcaccttgc ctggatccgc atcagccctg 240
cagctccccc tttggaggag acttgcccag ggacctacag ctctgaagct tctctgacag 300
cctctgcagc tcttggaact tatctgggct gctgctgtgc agaccatgga tgcgtagctg 360
agttcctgcc cctgatttcc tagagtctca gaaagacagg gaagtgactt acccaaagtc 420
ccctttcacc ctataaacag ttcagcccag ggagtgaggc tgacacgcaa atgcagctat 480
gtatagactc agagtcaccc aaggtcaggg ctgggtggag ccttggtcac atgcaggcca 540
acctgtgtct ggagataatg caagccagtg caggggttag cgtgtacatg gactctggag 600
tctggcagat ctaagcccca cccaccaacc tgtgaccttg gagaattatt tgaaaagaca 660
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<210> 148

<211> 700

<212> DNA

<213> Homo sapiens

<400> 148

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acccaccaac ctgtgacctt ggagaattat ttgaaaagac attatttgaa aagcagatgt 180
aaaatggaaa taaaagttcc tatttaaaac agtcagttgt cccccattca gaagcctatt 240
acagttgtcc ctcagcatct tcgaggaatt ggttcaggga cagctcctca gataccaaaa 300
gccacgatgc tcaaattcct tataaaaagt gacgtagggc tgggtacaat ggctcgtgcc 360
tgtaatccca gcactttggg agaccgaggt gggcagctca cttgaggtca ggagttcaag 420
accagcctcg ccaacatggt gaaaccccgt ctcctctaaa aatacaaaaa ataggcgggc 480
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atccgggagg cggaggttgc aataagccaa gatcgcacca ctgcactcca gcctgggtga 600
cagagtgaga cttcatctca aaaacaaaaa acaaacaaac aaaaaatgtg tagcacagtc 660

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agccctccgt atccacaggt ccacacacag aacctgctgg

700

<210> 149

<211> 700

<212> DNA

<213> Homo sapiens

<400> 149

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caataagcca agatcgccacc actgcactcc agcctgggtg acagagtggag acttcatctc 120
aaaaacaaaa aacaaacaaa caaaaaatgt gtagcacagt cagccctccg tatccacagg 180
tccacacaca gaacctgctg gtatggaggg ccaaccgtgc ttcctattct tttttttttt 240
tctttgagac agagtctcac tctgtcaccc aggctggagt gcagtggcac aatcttggct 300
cactgcaagc tccacctccc aggttcacgc cattctcctg cctcagcctc ctgagtagct 360
gggactacag gcacacgcca ccatgcctgg ctaatttttt gtatttttag tagagaaggg 420
gtttcaccat gttagccacg atggtctcca tctcctgacc tcgtgatcca cccgcctcgg 480
cctcccaaaag tgctgggatt acaggcggtga gccaccgcgc cgggccactt cctattcctt 540
atggtatcaa attcaaaact cttggcttga tagtcaaact ctcaccacga ctgaaatctg 600
gttaaccaac ctgtccaata caatctctct gcactcctcc aaataatgtt caagttggac 660
ctaagtgtc cctagtcctt ctcacacctg tgtgcctgga 700
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<210> 150

<211> 700

<212> DNA

<213> Homo sapiens

<400> 150

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ccttggcttg atagtcaaac tctcaccacg actgaaatct ggttaaccaa cctgtccaat 120
acaatctctc tgcactcctc caaataatgt tcaagttgga cctaagtgtt ccctagtctt 180
tctcacacct gtgtgcctgg aaacaccacc caccttcttt tctctcatct gaatttacta 240
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gggcattcat gatgggacct gccctgggg ctctagtatt tgggtgttaca gggaggaaca 360
cagttttgat tccccaaaca gaacaaagga tctttagagg caactgtctg ttgtcatttc 420
atgtctcccc caaccaggca ttaaaacacg catagaaatt cctgctgacg ggctcttgtg 480
aagttacaag ttacaatttg gtgaaaatgc cccaagtat ttctctatt tccaaggaa 540
aggaaaagaa agatatagaa attaaattaa agacaaactt aaatcattcc cattctgca 600
tgcttggtct gtgtgggaaa aaaaaatcat ttcatctctg tctgcaacgc agacttgaca 660
agttgagaaa ctccctaaaa acaaagcata caaaaaaaaa 700
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<210> 151

<211> 700

<212> DNA

<213> Homo sapiens

<400> 151

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aattaaatta aagacaaact taaatcattc ccatttctgc atgcttggtc tgtgtgggaa 120
aaaaaaatca tttcatctct gtctgcaacg cagacttgac aagttgagaa actccctaaa 180
aacaaagcat acaaaaaaaaa aatcatacca attagtctca cttaaagggt tcaggaagga 240
aaacacagtt aaactgaaaa cggttaactg gtgtttaaaa aaaagaaacc agcccgga 300
tgtttttagg actgcgtcta tcgaagtccc ttagggactg atttgcctt caatatattc 360
atagcacctg ctttcaccaa aacccagcag cccaacgcta gagctttgtg agtgagatgc 420
agagtggaac tggacatgga gctacacagc tctgaatcat gttcccaaac agcaagcaac 480
agccacatga aggattcctg gcagtgcctt ctagccacta cagtgggcca tgggaagccg 540
tacaacagc aaatggcatc ctgcaacccc agcttctcct tctgccgcac tctctctct 600
gtccatgcct ctgttcccc attggccac tggccaaata cactcagaaa aaagtccatg 660
cacaagcctc cacccaaatt aattccacat tctttcaaga 700
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<210> 152
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 152
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 cattggccca ctggccaaat acactcagaa aaaagtccat gcacaagcct ccacccaaat 180
 taattccaca ttctttcaag agaggccttg aaaggtagtg aaattcaggg aagctcttca 240
 ctgacccct cactggaatg ccaagaagtg atgtagtggt ccttgacata agggcttatt 300
 cccatttatg aaactgaaat tattttattc cagaatgcag cacaatatag atcttgggat 420
 cagaaaataa acaatcctca ttcaagtgtc cagaaatgcag cacaatatag atcttgggat 480
 aaataagata gagctgtgaa attaataggg gtgagaagag gggaggggtc gcgggagaag 480
 tccaccaagg ggctgaaagg cctgtgcagg cagacggaaa ccctgggttc ttaggggcca 540
 ggcattgacag tgcagaatag tccaccctgg gactgactgg aagaaggact gcagggtccc 600
 cgtgaagaac acctcacact cccagcttgc cacacacttg ttgaactatt ctgggtggat 660
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<210> 153
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 153
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 tcccagcttg ccacacactt gttgaactat tctgggtgga tacctcctac ctggatggca 180
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 tttgttgttt ttgtaaataa accgcaaaaa tcaacaaatg gcctcaaaat tgaacacatg 360
 tgatttacac caattcatat atcaaaacac aaataatgca gaacaaatta gagaaaaact 420
 ccagtcaggc tctccactca cccatggctg gtggctggca ttcaactctc cagcagccag 480
 ggagtccatt ttcttgtttc tctgctggcc atcctcagga cttgcggcgg ggagtggggg 540
 gccaggggtg tgctgccacc tgcaggccaa acaaggaaaa aacataagca acggccacaa 600
 tcatccgcct gaagccctc ctatatcctc aggcgcgtgg aagacctgga tgcccgctcg 660
 gggacaagag ccagaagcac tcaccagtg ccaacacctg 700

<210> 154
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 154
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 ctgcaggcca aacaaggaaa aaacataagc aacggccaca atcatccgcc tgaagcccct 120
 cctatatcct caggccgctg gaagacctgg atgcccgtcg tgggacaaga gccagaagca 180
 ctcacccagt gccaacacct gctgggccac aaacagtttc tgcttgggat cccaacacag 240
 gcagcagagt cagcaaaaac tctaagatat caagaagtca agcatttctt aacaacagca 300
 gcaaaactctt acacagggtt gtggttacca gacactgtc taaataactt acacttgttt 360
 acttatttca tctcacaac aacgggtaaa tattttaggt ctctgccaat ttgcctgatt 420
 actgaattag gttgaatcat taaaatgaat aacttgataa taccgaattt caaagagggg 480
 tcacatatga aaactctatg agagattctc agcatcttgc agacattcat tccctaaata 540
 ttcattgagt gtttggtatg gacgagacac tgttctagga cctgggaaga gaggagcgaa 600
 cacacaagac aaagtccctg ttctcacgaa gcttctgttc cagtgcgggg aggcaacagt 660
 agaaaaggag acaaatgcc a tgcagaagaa aaagcaggga 700

<210> 155
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 155

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gttctcacga	agcttctgtt	ccagtgcggg	gaggcaacag	tagaaaagga	gacaaatgcc	180
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ttcattttatt	cacttatttc	caaggactta	ctaaccatgt	catttcttgc	ccacagctgc	300
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tggagtactt	acataagagg	aacatctatt	attagtcaaa	taatcaccta	aataaatgca	420
aagatgttaa	tctgtgatag	gtgtgatagc	agaattgcat	gtagtccctg	tgagagcatc	480
tcaaggaggc	ctgacctgtg	ctaaggggag	gcctgaaatg	gagtgtgggg	aggagcaatg	540
tgtagtcca	ttttgcattg	ctataaagga	atatctgagg	ctgggtaatt	tataaagaaa	600
agaggtttaa	ggcgggggtg	agtggctcac	acctgtaatc	ccagtacttt	gggaggctga	660
ggcaggtgga	tcactctgag	tcaggagttc	gggaccaacc			700

<210> 156

<211> 700

<212> DNA

<213> Homo sapiens

<400> 156

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cagtggctca	cacctgtaat	cccagtactt	tgggaggctg	aggcagggtg	atcatctgag	180
gtcaggagtt	cgggaccaac	ctggccaaca	tggtgaaacc	ctgtcgctac	taaaaacaca	240
aaaattagct	gggtgtgggt	gtgcacgcct	gtaatcccag	ctacttggga	ggctgaggca	300
gaagaattgc	ttgaactgga	gaggctgagg	ttgcagttag	ccaagatcgt	gccaccgcac	360
tccagcctgg	gtgacagagc	gagaatccgt	ctcaaaaaaa	gaaaaagaaa	agaaaagagg	420
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caggcctcag	gatgtcacca	atcatggtga	aaggtaaagg	gggagctggc	atgtcacatg	540
gcacaagaag	gagcaagaaa	ggggaggagg	tgccaagcct	cctttaaaca	accagctctc	600
gcctgaacag	agtaagaact	cactcattac	ctcggggagg	gcaccaaacc	attcatgagg	660
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<210> 157

<211> 700

<212> DNA

<213> Homo sapiens

<400> 157

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tcactcatta	cctcggggag	ggcaccaaac	cattcatgag	ggatccagcc	ccatgacca	180
aacacctccc	accaggcccc	acctccaatg	ctggcgatca	catttcaaca	tgagatttgg	240
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aggctggatc	atgggtagtt	ggcagggaca	ggaggcaggg	tgaagctgga	gaagcagtgt	360
agggtgacct	tgcattgacac	tcccagccac	aagaggagtt	cgagccttaa	ccctggagaa	420
ctggagcacc	acacaagggt	cttaggcaga	ggattaatgc	atttagatgt	gtacttttaa	480
aagattatct	atgtaggctg	agtaatggcc	ctgccaagaa	tgtctatgtg	tgaatccctg	540
gaggttgtgt	gtatgttccc	ctatatggga	taaggggacat	tgcaaatgtg	atcgagttaa	600
gggtcctgag	aaccggagat	tatccagggtg	ggcccaacat	aatcacaagt	gtccttataa	660
gagggaggca	gggggagatc	tgacttcaga	tgaggagcct			700

<210> 158

<211> 700

<212> DNA

<213> Homo sapiens

<400> 158

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ttatccaggt gggcccaaca taatcacaag tgtocttata agaggaggc agggggagat 180
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cagcaatagg agaataggac atactagctc ctgtaaaaaa ccagactgga cgtaaggggc 480
aggcgaggca gggaccagct agaggctcact gctgtgggcc aggcaagagg tgtgagagct 540
tgcaccacag tgggtggccgt ggggatggag aggagtgggt cagttgaagg accccagcag 600
gggaagagct gaccagtcaa aggtctcgct gcaatctggc agatgttact ggaatgccac 660
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<210> 159

<211> 700

<212> DNA

<213> Homo sapiens

<400> 159

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cttttttttt ttttccgtga acagagattt tgaattctg gaagagaggt gtccagattt 480
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cagcgtctac tctattcttg cttaataatc cagacctact taaaaaatgg gatcctaatt 660
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<210> 160

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<212> DNA

<213> Homo sapiens

<400> 160

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gcttaataat ccagacctac ttaaaaaatg ggatcctaatt ttggctcctgt ttaatggagc 180
tgtcaagaag aaaaagcaat aaaaattatt cgagagaatt ttagaaacat tctccattc 240
tactccaaaa atataaatat gcacactcca aaaccaagta ccttggactg tactgagaga 300
tgacaatgac gtcttaaccg tactatttcc ccatgatgtt gcagcaggcc acagggacct 360
aactgaattg taagaacatg aaaggaccca ggaatgctg cagatgacaa aataccaggt 420
agtcctgtca gtgtaggagc atgttaattt aaaaatagat atatttttct ggtgacaaaa 480
gtgacatgtc tattactgga aaacacaaac aactcctgta gtccaatgat ccagagataa 540
cccatttgga aatattttct tccagtcttt tttccccatt gatttcggca caggcgcgcg 600
cacacacaca cacacacaca cacacacaca cacactcata cttcattttt aacaaaatta 660
caatactgta tatactttta taaccagttt tatataacag 700

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<210> 161

<211> 700

<212> DNA

<213> Homo sapiens

<400> 161

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ttccagtctt ttttccccat tgatttcggc acaggcgcg cgcacacacac acacacacac 120
acacacacac acacactcat acttcatttt taacaaaatt acaatactgt atatactttt 180
ataaccagtt ttatataaca gtatataatc ctccatgtat taaatacagt ttttcataat 240
gctagtattc catcatatga aagtaggaaa atcacttaac caatccctaa ttgctgaaca 300
actgagtagt ttctaacttt atggtaacat aagtcattgg gaggaacctc ctcatctacg 360
ggaatatccc tagatataaa tctatgtcta tagctctgat tatttcctta gggtcctatt 420
tcctacatcc atgcattgcc attactattt tgctataatt aattaccatc tgtaatgtac 480
ttaacatttc tctttacatc aactcatttc tgcctttaa caaatgtatt ttaaaagcaa 540
acctgactcg gtgtagtggc tcacacctgt aatcctagca ctttgggaaa acaaggcagg 600
cggattgcct gagctcaaga gttcaagacc agcctgggca acatggcgaa accccgtctg 660
tactaaaaat acaaaaaatc agccgggtgt ggtggtgcgt 700

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<210> 162

<211> 700

<212> DNA

<213> Homo sapiens

<400> 162

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caactcattt ctgtccttaa acaaatgtat tttaaaagca aacctgactc ggtgtagtgg 60
ctcacacctg taatcctagc actttgggaa aacaaggcag gcggattgcc tgagctcaag 120
agttcaagac cagcctgggc aacatggcga aacccgtct gtactaaaaa tacaaaaaat 180
cagccgggtg tgggtggtgcg tgccgtagt cccagctact caagaggctg aggacaaga 240
atcgcttgaa cctatgaagc agaagttgca gtgagccaag atcatgccac tgcactctag 300
cctggacaac aggacaagac tctgtctcaa aaaacaaaca aacaaacaaa caaaccttat 360
ttaagtggaa aaccaacatc atatgccata aatgaaggca atcataatag gttttattgg 420
aataaaaaaa cactgtggtt aaaatatagt caaaatactg ctaccccttt gccattctt 480
ttatataaaa tgggagatta gagaggctta gagagggtgt aaagggtatgc tagcaccaag 540
ctaaagtttt tcaccttccg ttgatcagaa gactgaaaag gaattgagca tgggaataac 600
tttctcactg tgagtcagtg ttagacaatg tggcaaatgt gtcccaacta gaattaccct 660
gcgccacctg aaataacctc atatgaaaac atgccttagg 700

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<210> 163

<211> 700

<212> DNA

<213> Homo sapiens

<400> 163

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agagaggctt agagagggtg taaagggtat ctagcaccaa gctaaagttt ttcaccttcc 60
gttgatcaga agactgaaaa ggaattgagc atgggaataa ctttctcact gtgagtcagt 120
gttagacaat gtggcaaatg tgtcccaact agaattaccc tgcgccacct gaaataacct 180
catatgaaaa catgccttag gacatattcc tggaagtaga actgggataa aaggcatgga 240
cactttaagc agcttctgat aaccacagcc caaacacat ccaagttagt tttaccacag 300
ttttactatg actgtgtcca ttttacttca cgttcacaaa tattaagtac tataaacaaa 360
atattaaaaat agttaaaacg tttcagcttt ttgatgtaaa atatccagca gctgaatctt 420
caaaggctat tttcatgctc ttctagctag tccctgaccc tagggcaggg ctattttatg 480
aacctttaat tagtggttaag cttacaacaa actgatactg cacttggttt caccaagctg 540
aagtaaaactc tgtaaaagat gaggaagtga ctttagcatt tgcaaatatt tcagaatgcc 600
tttgtgccag caaagggtcaa acaacgatca gaattgcatg gattccaaag tatacttttg 660
ggaaataaga gactcagaga agcattactc aagatacaat 700

```

<210> 164

<211> 700

<212> DNA

<213> Homo sapiens

<400> 164

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gcttacaaca aactgatact gcacttggtt tcaccaagct gaagtaaact ctgtaaaaga 60
tgaggaagtg actttagcat ttgcaaatat ttcagaatgc ctttgtgcc gcaaagggtca 120
aacaacgatc agaattgcat ggattccaaa gtatactttt gggaaataag agactcagag 180

```

```

aagcattact caagatacaa ttcactatga attttcagca attcaatgaa aagtctaaaa 240
gaaatacatg tttaaacttt cctatcctgg tataatatgc aattgcacaa atagggttaga 300
ttgtagatta atgcaattgt taatatctct aacatagaaa aaggaaattg tattttgaag 360
caagaagaat taataacaat tgggaattgtt cagggttattt taataattcc caggcagata 420
cctatgtgta tatgtgcctg tggggaaaaag gtaaggaaaa agagacgtga gaaaacatac 480
ttatgtaatt ccagcacttt gggagggtga ggggggtgga tcactagggtc aagagattga 540
gaccatcctg gccaacatgg tgaaaccccg tctctgctaa aaatacaaaa attagctggg 600
catggtggga cctgtagtcc cagctactcg ggaggctgag acagggtgaag tgcttgagcc 660
cgggagggtg aggttgcaga gagctgagat tgtaccactg 700

```

<210> 165

<211> 700

<212> DNA

<213> Homo sapiens

<400> 165

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tgggagggtg aggcgggtgg atcactaggt caagagattg agaccatcct ggccaacatg 60
gtgaaacccc gtctctgcta aaaatacaaaa aattagctgg gcatggtggg acctgtagtc 120
ccagctactc gggagggtga gacagggtgaa gtgcttgagc ccgggagggtg gaggttgcag 180
agagctgaga ttgtaccact gcactccagc ctgggtgaca gagcgagact ccatctcaaaa 240
aacaaaaaca aaaacaaaaa ataaaaaaaa agatttatta tgtttggaag gaggttatag 300
gttctgatta atttttgcca gagacaaaaa tacaagttta tctaagctta agaactaaat 360
gatggcctat tgtaagatat agaacttcca actcactgaa taaaaagaag gaaagaagaa 420
acaggggaca aatacacttt gatgaatcca tagagtcaca aggaaaaaaa aaacacacat 480
gataaataca tggcaaaaaca agatggcaaa aataagacca catttatcag tgatcaaaat 540
aaatatgaat gaattaaatt ccattgttaa aagaccaaga ctttcaccct aaatgccccat 600
aaatggaaaa tggataaatt atggtatgta ttccatttta atggatgtgt atgtgtgtgt 660
atgtatgtgt atgtgtgtgt atacaccaca gaaagaggcc 700

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<210> 166

<211> 700

<212> DNA

<213> Homo sapiens

<400> 166

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aagatggcaa aaataagacc acatttatca gtgatcaaaa taaatatgaa tgaattaaat 60
tccattgtta aaagaccaag actttcaccc taaatgcca taaatggaaa atggataaat 120
tatggtatgt attccatttt aatggatgtg tatgtgtgtg tatgtatgtg tatgtgtgtg 180
tatacaccac agaaagaggc ccatgagttt cagtttagaa agatgtagaa atatatattgt 240
ataagcatag gaaagggtcc agaaaaacac accaatatga tatctgtggt tgcctataaa 300
gagcagttta cctatgagtt tcagtttaga aagtgtaga aaaatatttg tataagcata 360
ggaaagggtc cagaaaaaca caccaatatg atatctgtgg ttgcctatgg aggctgaagt 420
ggactttcct gtctcacttt acaaatgtct atactgtttg aatttattac aaaagcatat 480
gactaaagaa acatgaaaaa atggaataat aaacataagg gcagaatcag caaaatagag 540
gacatagagg accaaaaaaa aggtggttaa caaaacttga agtatttatt tgaaagtaga 600
caaacctcta gtgagactga tcaagaataa ctgacagaag atttttttaa aatgagatta 660
cagaaaaagg aagaaatgac aaataaaaca gacattttta 700

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<210> 167

<211> 700

<212> DNA

<213> Homo sapiens

<400> 167

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aatggaataa taaacataag ggcagaatca gcaaaataga ggacatagag gaccaaaaaa 60
aagggtggtta acaaaacttg aagtatttat ttgaaagtag acaaacctct agtgagactg 120
atcaagaata actgacagaa gatttttttaa aaatgagatt acagaaaaag gaagaaatga 180
caaataaaac agacatttta aaacttataa aggaataata taaacacatg ataatacatt 240
tgaaaataca gatgaaatga ataatttcta gacaataaaa attgccaat ttggcacaaa 300

```

```

aatgtgaata accacttaag agactcaaat aatthttgaaa cctcttcccc atagagtttc 360
agaccagaa gattttacaa gtgcctccta ctaacttcca aggagcagaa aatctctatc 420
ttaatggagt tgcttttagaa aatagaaaaa aagagaaaaac attgccaat ttgttacttg 480
atthttgaaat gttaaatatg gactgtacaa ataaagaaaa atacaggata gtttacttta 540
taaacataga tgttaaactc ctaaataaaa tattatctaa tcaaatacga aagtgtatta 600
caaatacatc atgataaagt aattcaccac attagtcgat tgtggaagag gttactagt 660
ctcaccagtc tctcgttctt ttctctctgg gaacaccacc 700

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<210> 168

<211> 700

<212> DNA

<213> Homo sapiens

<400> 168

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ggactgtaca aataaagaaa aatacaggat agtttcactt ataaacatag atgttaaact 60
cctaaataaaa atattatcta atcaaatacg aaagtgtatt acaaatacat catgataaag 120
taattcacca cattagtcga ttgtggaaga ggttactagt gctcaccagt ctctcgttct 180
tttctctctg ggaacaccac caggctacat ttcccagcca ccttacaatt aggtgagacc 240
catgagacta gtccatgcca atggaatgtg aatggaagtg catctaattt tctggctcat 300
gaaaacagca gcattttctc tattttcttt ttttctttct ttgttttttt tagacggagt 360
ttagctcttg ttgccgagggc tggagtgcag tggcgcgac ttggctcact gcaacctccg 420
cctcccgggt tcaagcaatt ctctacctc agcctcccaa gtagctggga ttacaggcat 480
gtgccacaat gcctggctaa ttttgtatth ttagtagaga'cggggtttct ccatgtttgt 540
caggctggtc tcaaactccc gacctcagg t aatcagccc cctcggcctc ctgaagtgt 600
gggattacag gcgtgagcca ccgtgcccg caagagcagc atthttctaaa agcaatcagt 660
actcaacacc atctgtctga ggtagggcag cggcggactc 700

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<210> 169

<211> 700

<212> DNA

<213> Homo sapiens

<400> 169

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atthttgtatt ttttagtagag acgggggtttc tccatgtttg tcaggctgggt ctcaaactcc 60
cgacctcagg taatcagccc gcctcggcct cctgaagtgc tgggattaca ggcgtgagcc 120
accgtgcccg gcaagagcag cattttctaa aagcaatcag tactcaacac catcctgtcg 180
aggtagggca gcggcggact ccattgtttg aaacttagga acttagacca tcttttgta 240
aattcagatg gttttctcaa agtaaagatc attcaagttt tgtttcagta atgggccgta 300
tgatcagatc tgtgtgatta ggctgaattc attattattg agacaaaaat tgagttaaag 360
gggattcttg gtattggcct gcaaaacctg tcataactta aatgtaaagt ttctgatgat 420
ttagtcactt tactctcagc tcttagctct ttactcacc tgtccttggt ctacacaacc 480
tgctgatgg gtaacttgaa tacatattht ctctcttcag gggatgggaa cgccctaagg 540
gcaggggctg tttccacagc cctgggggtg aaccccttc ctgcatacca agaattgagt 600
ggctatactt gacgaagggc aaagacaagg tggcacgcat ctttcatgct tctgtctggca 660
gatgcagtgg actggaattt tcctggtctg ggaaggactc 700

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<210> 170

<211> 700

<212> DNA

<213> Homo sapiens

<400> 170

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atacatatth tctctcttca ggggatggga acgccctaag ggcaggggct gtttccacag 60
ccctgggggtg gaacccctt cctgcatacc aagaatgagt tggctatact tgacgaagg 120
caaagacaag gtggcacgca tctttcatgc ttctgtctggc agatgcagtg gactggaaat 180
ttctgtgtct gggaaggact cgtctgtgta gtgcacctat cctgacatc tatgctagcc 240
ccgggatggg ggccccagca gagtaaggcc ctgacttcac atggacaggg ccagggaag 300
ggggccacat cctggcctag ttgtctctca tgcctgtgat caaggagat gagctgccag 360
ctgtctcggg caaggaacac ttggaaggca ctccaagtgc cccaggtgc accagatcta 420

```

```

ggaaacttaa gcaaactaca tgaggtatgg ggtggggccc agtgggaaaa atgagctctga 480
caggtcagag ggagtagatt atgagctcag gttaggcatt ctgttcagca ttttacgtac 540
accctccac ttttgatttt taccaacacc cagggaggtc ggtgctctac aaaaggga 600
ggcgtgctca ggtggcccga cttgccacgg ttccagctcg accccgggct gctagcccct 660
tggcacgctt gtctgaggcc tcccaggtct tccagcctgg 700

```

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<210> 171
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 171
tatgagctca ggttaggcat tctgttcagc attttacgta caccctccca cttttgattt 60
ttaccaacac ccaggagggt cgggtgctcta caaaagggaaggcgtgctc aggtggccccg 120
acttgccacg gttccagctc gaccccgggc tgctagcccc ttggcacgct tgtctgaggc 180
ctcccaggtc ttccagcctg gcctggaggc tcaaagccac gaaacccaag ggtgccgctt 240
ctcaggccct ccccgccccc acggcagaac ccctgaccct gcccgggctc aacgcctggc 300
gtcggggccc cgggtccgc aaggaggagc ccgcgaggcg gccgcgaagg ggctgtgctt 360
acctcgcccc gcgcgggttg cggccccagg gcccgcgctc caggctggcg gccgctgcat 420
tctgcgcccc tcgcctgaaa cggcagctgc gccagtcctg gccacgaccg ctttcatttt 480
cctcaacgac atcggcagga aagcgaagc gaaaccctcc gggaggcggg accggggccc 540
agcgcgcagt gaacgcgggg cgcgcgggcg gcgcggggcg gcagccagag gcggggggccc 600
cgggctcggg tctgcgcgtg gcctggcccc gtggcgcttcg ggggtggagct gggccagccg 660
agtgcgccag agctagtccg ccacgcacac ctgcctcggc 700

```

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<210> 172
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 172
aaagcgaag cgaaaccctc cgggaggcg gaccggggcc gagcgcgcag tgaacgcggg 60
gcgcgcggcg ggcgcggggc ggcagccaga ggcggggggc ccgggctcgg gtctgcgcgt 120
ggcctggccc ggtggcgctt cgggtggagc tgggcccagc gagtgcccga gagctagtcc 180
gccacgcaca cctgcctcgg cgggaccgcg gcccgggctg ggcgggaggc tgggcaggcc 240
cgccgtaagt ggaaaggcgc ccgcggcgct tcggccgacc gggacagggt cctccatctg 300
cccttcattc agcgctttact tgggcctgtg gctggcagcc ggcccgggac ctgaccgctg 360
ggcgcgctc gggctctggc ctgaggagcg agatggcagc ctgagcaact gggaccaagc 420
ctctgaggag tcccgttgg aggggacttg accatgaggt accaggcatc tcatctgggg 480
tcagcggaga acccaaaagt caatgacgtc ggtgaaatgg gggtccttc atccgataag 540
agaaactgga acagcaagcc tatggtttg actccctggt ctaagcggtg cccatcaata 600
tctaaacatt tagagattcc aggtttcagt gtctggcct ctcttactgt cagtgatttg 660
gggcaaaata ttcaagtagt tagacttaat tacttccct 700

```

```

<210> 173
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 173
tcaatgacgt cggtgaaatg ggggtccctt catccgataa gagaaactgg aacagcaagc 60
ctatggtttg gactccctgg tctaagcggg gcccatcaat atctaaacat ttagagattc 120
caggtttcag tgtctggccg tctcttactg tcagtgattt ggggcaaaat attcaagtag 180
ttagacttaa ttacttcccc tgtgggatgg gaataataat aatcatacct actgccagaa 240
tttttaggaat gaacaataga aggaagaaaa tacttaaaat tttctgacag cctctaagt 300
ggttccttga gggcagcaac caagtcattt acctggatgc ttgatagaca ttctctaagt 360
gccagtccat caacttggag ctatctccat gataacaggc tagttgtcaa agtttggaca 420
atattatctg gagtttaag actgaggaag ccctgcaatt ttttttgaa ggtgtctgaa 480
acttagcctg acaattagcc cccacaatta tgccacggaa ccagggtttt gttagagtgg 540

```

```

agcatggcca caacgtttga tggacattcc tacagcgggtg ttcagcgctg gccactgagg 600
tctgaaaata ctttttgcaag cattttctatt cacttgcttt tagaaaaacat tggtaagaca 660
ccatactcca aacacagttt gccctgtctg tacgtttgtt 700

```

<210> 174

<211> 700

<212> DNA

<213> Homo sapiens

<400> 174

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ccccacaatt atgccacgga accaggtttt tgtagagtg gagcatggcc acaacgtttg 60
atggacattc ctacagcggg gttcagcgct ggccactgag gtctgaaaat acttttgcaa 120
gcattttctat tcacttgctt ttagaaaaaca ttggtaagac accatactcc aaacacagtt 180
tgccctgtct gtacgtttgt tgcaaaagcaa acataaaagt ttttgccata gagcaaacac 240
agagcagtcg gttataactg gaacaagaaa ccaaaatgag ctattaaatc tgcccagagt 300
cactttgggt tacctgtttg taatttgggc acattccctg caagatggag gccctgggtc 360
gtgactgatg taggggcttg tatgtgtcct tgcaatagtt ccctcaagag cagggtgggaa 420
agtggggcag gccaaatgat gacctagaa aaacaacagc ctgtttctct gtccagaaga 480
tgctactttt agtctgtagt atgaaggaaa aagaaaaaac aaaaaaggca agccttggag 540
cctcttcctc cttataggac aattcttgac tccaagatag caaagtagag ttaaactctgc 600
ttctgcataa aaactatgtt tgggaagatg aagatcagga aaagacagga agagatgtaa 660
gcagataagc caaatcctgg ttaccttta tagacatcac 700

```

<210> 175

<211> 700

<212> DNA

<213> Homo sapiens

<400> 175

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tatgaaggaa aaagaaaaaa caaaaaaggc aagccttgga gcctcttcct ctttatagga 60
caattcttga ctccaagata gcaaagtaga gttaaactctg cttctgcata aaaactatgt 120
ttgggaagat gaagatcagg aaaagacagg aagagatgta agcagataag ccaaactcctg 180
gttacctttt atagacatca cacatgtgaa cagagagcat caggagggtca aggccggcct 240
gatgtttttc atcttggtgcaa cttcccaagg tccaggtttg gtccttgact ttgtggggcc 300
aaaaatctcg tctgacttcc agtgtaccag agtcgattag cactgttgca taaagtcaga 360
atgacaactg actgatttca ttcactatth tatcatgtgg tgctatgcta aatgcattac 420
atgcattatt acctcattat ttctccctac tatcatgtgg tatattataa tctatttatt 480
tttcatttgg gagaaaaaaa gatgaaggaa atcccaaggc cacatgggta ctatgtatgt 540
tagtggcagg gtttgaatca aggccatctg accccaaaac ctgaagctta tccattcctg 600
ttagaagcaa gactgtcggg aacactggac tcgaggccac ctgatgaaca cattctcttc 660
ttgtagccat gcagtttgga gccccatagt cagaagggtg 700

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<210> 176

<211> 700

<212> DNA

<213> Homo sapiens

<400> 176

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agatgaagga aatcccaagg tcacatgggt actatgtatg ttagtggcag ggtttgaatc 60
aaggccatct gaccccaaaa cctgaagctt atccattcct gttagaagca agactgtcgg 120
gaacactgga ctcgaggcca cctgatgaac acattctctt cttgtagcca tgcagtttgg 180
agccccatag tcagaagggt gcttagtgag cctaaaatca gaatcggaa agtgaattgt 240
ctgacttaaa tgtttgatga tatcaggctc gggcaatgtg ggatgtctct ttccacaaca 300
cagggtcaaaa cctataggaa gtactgttca ctcacccctg ctggcctggc cagcccttct 360
ccctagatgg ggcttgggtg acaccatctg tttgtgtcaa tgaggctctc tgtattatgg 420
taccagggcc gcctctcctc agatggacat ttttagatag agcaaggcgt tactgagtaa 480
cattactcag taagggtctcg cagcccttat ttttctttat ggagacattt tgtatctttg 540
ctctgattgg cttgatttat aatttaactt ctaaaggaca gctttctatc ccaccttttg 600
gagacagctc tgttttcctt actatccttc ctgatctaac cctggaacaa aagtttgtgc 660

```

agtagcaagt tctgcaacaa gaactttatc caggcctgca

700

<210> 177

<211> 700

<212> DNA

<213> Homo sapiens

<400> 177

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gcagccctta tttttcttta tggagacatt ttgtatcttt gctctgattg gcttgattta 60
taatttaact tctaaaggac agctttctat cccacctttt ggagacagct ctgttttcct 120
tactatcctt cctgatctaa ccctggaaca aaagtttgtg cagtagcaag ttctgcaaca 180
agaactttat ccaggcctgc actgatagtc agtaaagaca caaaagaagc aaaagtccaa 240
gtccaaggcc agtcccaaaa gactttacta cagaatcggg caatggaggg ttggggggcg 300
gggcacagct gatgatcacg caaccagct gaagaatgat ataaatggaa tgaaagcatg 360
gtgcaagcag catctaactt aggagtcact ggtaggaaa aaaaaatacc tgatgtgtga 420
ttcagataaa aatgaaaaaa ataacccttt tagatatttc attcaacaaa tattctgtgg 480
caactacaaa atgcagccac cctgctaata ctggggattc agtgatgagc aaaaataaat 540
gtggtctctg ccctcgggaa acacacttga gtgaggtaat aaagcaatca aataattggg 600
caaatataga atgccatcct aaatactaca agatgcgttt gacgctataa gagggaatgc 660
cagaggcaaa actcctctaa tgggccacct gtactctggg 700

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<210> 178

<211> 700

<212> DNA

<213> Homo sapiens

<400> 178

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ccctgctaatt gctggggatt cagtgatgag caaaaataaa tgtggtctct gccctcggga 60
aacacacttg agtgaggtaa taaagcaatc aaataattgg tcaaataatg aatgccatcc 120
taaatactac aagatgcgtt tgacgtata agagggaatg ccagaggcaa aactcctcta 180
atgggccacc tgtactctgg ggcttctgt cagtctggcc agcactttct cagaatggct 240
ctgcagtctg aggctcttcc tatctactcc tccatccttc cctcttctct ttcacagggg 300
tcagacctgc attacggtgt ggggctctct ctgcttactc ttgcttctgc tcctctttat 360
tcttcatagg cattttcccc aataaactct tccaggttta attccatctt ggtgtctgct 420
ctaggaggac ccaagctgac acaatgatgc ctttcattga cttggagaac cttggaagag 480
gcccagttt tggagggtc caattctgca catgttggt taggtgtcag gtgggcaagg 540
aagctccata cctgctttcc cactcagaag ataatgctt tgctttggta ctaagctatc 600
aaccatgtcc tctgtgggag ctagggtctg gtcttgttt taaaatgctt gttccatgga 660
taatcagcaa ttctcagttt agatctcaat actagaacta 700

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<210> 179

<211> 700

<212> DNA

<213> Homo sapiens

<400> 179

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ccaattctgc acatgttggc ttaggtgtca ggtgggcaag gaagctccat atctgctttc 60
ccactcagaa gataatgctt gtgctttggg actaagctat caaccatgtc ctctgtggga 120
gctagggtct ggtcttgttt ttaaaatgct tgttccatgg ataacagca attctcagtt 180
tagatctcaa tactagaact atttccctct agaaaagcac aacctacca tagcaaaaaa 240
catcccttaa ctctcttgag gaggagttaa aagtcaaaaa atcgaaagga gatgagcaat 300
tgttcctgaa cagccaaagg gaaataattt tgatgtaggg gggcccttag ttttctggga 360
aaaggaagtc tttttttttt tttttttttt tgagatggag ttttgctctt gttccccagg 420
ctggaatgtg atggtgtggt cttggctcac tacaatctct gcctccagg ttcaagtgt 480
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<210> 180
 <211> 700
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 tggggtaaac cttgaacatg aatagaattg ggataatcag agatgaagca ggacaacgta 180
 tggatggagg caggagtgtc aaggagaaat agagagctaa aagtgtgtca tatcaggagt 240
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<210> 183
 <211> 700

<212> DNA
 <213> Homo sapiens

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<210> 184
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 184
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 <212> DNA
 <213> Homo sapiens

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<210> 186
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 186

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<210> 187

<211> 700

<212> DNA

<213> Homo sapiens

<400> 187

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<210> 188

<211> 700

<212> DNA

<213> Homo sapiens

<400> 188

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gctttgttct ttttgcttag gattgtcttg gctatgcggg ctcttttttg gttccatatg 180
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<210> 189

<211> 700

<212> DNA

<213> Homo sapiens

<400> 189

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gattgctctg cccagaactt ccaacacccat gttgaatagg agtggtgaga gagggcatcc 240
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tattgagata atcatgtgtt tttgttcatt ggttctgttt atatgatgca ttacgtttat 480
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<210> 190

<211> 700

<212> DNA

<213> Homo sapiens

<400> 190

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attgatataa aattctcttt tttgttggg gctttgggtat caggatgatg 180
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<210> 191

<211> 700

<212> DNA

<213> Homo sapiens

<400> 191

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aaaactagct cctggattca ttgatttttt ttgaagggtt ttttatgtct ctatctcctt 180
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acgtgttcaa ttttagaata agtgtgatgt ggtgctgagc agaattgata ttctgttgat 660
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<210> 192

<211> 700

<212> DNA

<213> Homo sapiens

<400> 192

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aagtgtgatg tgggtgctgag cagaatgtat attctgttga tttggggtgg agagtctctg 180

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agatgtctat taggtccact tgggtgcagag ctgagttcta gtcctggata tccttgttga 240
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acagcacact gatgggtctt gactctttat ccaatttgcc agtctgtgtt ttgtaattgg 660
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<210> 193
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 193
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<210> 194
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 194
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<210> 195
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 195
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tctccgtcta gttttgttcc cttgttggcg aggagttgtg gtcccttggg ggagaagagg 240
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<210> 196
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 196
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cgctgagcaa gaccacctgg ctccctggct tcagccccct ttccggggga gtgaatgggt 660
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<210> 197
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 197
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gctccctggc ttcagcccc tttccggggg agtgaatggt tctgtctcac tgggtgttcca 180
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tcatggcaca gtccctcatg gcttcccttg gctaggggag ggagttccct gtcccttgc 420
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ctgtctaaact agtcccaacg agatgagccg ggtacctcag ttggatatgc agaaatcacc 540
caccttctgc gttgatctcg ctaggagctc cagaccagag ctgttccctg ggctttaacg 600
tttttagtgc tcatttggtt ggcatggggg ggggggcaat tctatgagga catttagaat 660
tttcagaact attttgctca taatcagggg ttgcatgagc 700

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<210> 198
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 198
gagatgagcc gggtagctca gttggatatg cagaaatcac ccaccttctg cgttgatctc 60
gctaggagct ccagaccaga gctgttctct gggctttaac gtttttagtg ctcatgtgtt 120
tggcatgggg tggggggcaa ttctatgagg acatttagaa ttttcagaac tattttgctc 180
ataatcaggg gttgcatgag cattaagttt caaatctctt cagtagacga accatgcaaa 240
ataccaatat cactgtgtat tagtatattag cagtcttatc cttgatgtgg agtgatcct 300
cacacttctt ctatgagaag tcttttgtga gacttattcc caggtaaaga gccagtcagg 360
ggcctggctg ctgccctctg gctggcgcaa cagacagatg atgtcccagt gtctctggcg 420

```

```

gcttctttaca gaactctgtc cctgagggtta tgtcccttct tcatgagggtg acaccttcag 480
gggtgggtct gcctgagagc tccaaaacat gatttctgct gagaaacctg tgtctgtcat 540
cagtgcattcc tctgttaatc tcatgagatt ttattttcca aagtgccttt aaagcaatgg 600
catagaacat aaggtgttgc cagtgcattg catcaagcct ctatcagcct aaaagccctt 660
taggaaaaga attaaaagac aaacccccag aagaaagtgc 700

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```

<210> 199
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 199
ctccaaaaca tgatttctgc tgagaaacct gtgtctgtca tcagtgcatt ctctgttaat 60
ctcatgagat tttattttcc aaagtgcctt taaagcaatg gcatagaaca taagggtgtg 120
ccagtgcatt gcatcaagcc tctatcagcc taaaagccct ttaggaaaag aattaaaaga 180
caaacccccca gaagaaagt ctattgtgct atttactacc tggcagggaa tagggtcttg 240
tgccacacctc attgaccgtc acttagacca ggtattaagc agaataattc tctttgacaa 300
acaacagcct tatggaatcc atgagaatgt tcagggaacc ctgacagaga taagaattag 360
tttccaagaa taggaaaaga tggatggca aatctttgct tttactttga tctgtggcag 420
gaaactgggt ttttaagaaa tctgggtgtg tctccacct ccttttcttt gtcttttata 480
ttctgtggg tatgtgtgt tctagttata cacattaact gaacacctca tctctacca 540
actctgcccc tgtgtgtaca gtttgtgtat gcctctctcc tggagcagag gagatccttg 600
gtctgataac acactcagtc ttcccaaagt catggctcta agggaaacaa gccacacacg 660
aatccaacag gcttcgacag aggacttgga attccacatg 700

```

```

<210> 200
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 200
ttctagttat acacattaac tgaacacctc atcactcacc aactctgccc ctgtggctac 60
agtttgtgta tgctctctc ctggagcaga ggagatcctt ggtctgataa cacactcagt 120
cttcccaaag tcatggctct aagggaaaca agccacacac gaatccaaca ggcttcgaca 180
gaggacttgg aattccacat gcttggctca accctggaag tgacttgggc tcttgccca 240
ccacatgaag agctctaagc attcaggtaa ttatggtttt tgccctcaga aggccacaaa 300
tgactggaat cagtggcatg gagaataaga gagaaaatgc agaaactatt cactcctgct 360
acaggacaat gggtagacag aactgcaatt cagattctag agccctggg aagacagtta 420
atcagtagtc cagcacagaa ccatgtttga ggagagtggg gaagccaaca gtgttccaga 480
agacgtgctg ccttccctct cccccaagtt tgatgctgct tgttttgta tgcaacatgc 540
ccttgagttt ctatccaaca ctggagcttt ttaccaggt ccatccacac cttctagccc 600
aaaatgccct gtgcaaatg tatatagatt aagacacctc ttgtgcacca cactcaacct 660
ccaatcctct cagccacca cttactccag ccactgttgc 700

```

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<210> 201
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 201
tcccccaagt ttgatgctgc ttgttttgtt atgcaacatg cccttgagtt tctatccaac 60
actggagctt tttaccagc tccatccaca ccttctagcc caaatgccc tgtgcaaatt 120
gtatatagat taagacacct cttgtgcacc acactcaacc ccaatcctc tcagcccacc 180
acttactcca gccactgttg cagtgaccag ttctgatggg ctctggcaac ccctacttca 240
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gcatgtgcag cctggaaaca tgtggagctg acacctgtgg gctgccttta caaatggatg 360
ccaacagaga aatgcttccc ccttttactc aaggtacaga tgggtgttag atgcatttca 420
taagcttctt ctgaagtcct tgctggatgg agcatccctg cctttggtgc tagtcaacct 480
gaaaatgcat ctttgtattc agcctccctc ctccctgtt ctctcctgt cttttattgc 540

```

```

tgctccctgg aatcttgtcc ccaaagcata aactgcttaa ctgcacagaa gcacttgtct 600
cagtctctac tttcaagggg acccaagata catttgtgca agaaggctgg ctcagcccat 660
agtcaattaa taaagtgaag aattctagtg cacaagaatc 700

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```

<210> 202
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 202
cagcctccct ccttccctgt tctcctcctg tcctttattg ctgctccctg gaatcttgtc 60
cccaaagcat aaactgctta actgcacaga agcacttgtc tcagtctcta ctttcaaggg 120
aaccacaagat acatttgtgc aagaaggctg gctcagccca tagtcaatta ataaagtga 180
gaattctagt gcacaagaat caaatcttag tcttagagat taatcccaac cattgctaga 240
attagcccaa gctgatacag agaaaaggca gatgacagtg tggcacaggc tcactaaatt 300
ctagaaataa agattctagg cagttgctga tatttaaaaa atcattttac ttattaaaac 360
tttctcattt cccaaggcac ttcagtagct ttcacaaaaa catgtttgtt cttttttaac 420
caggtgaggg atattgcttta ggagtacat ggtaacataa tcagcaaaga gaagacaatt 480
acactgaaca caaaatatca cccaataaag ttacaggact aaagtgagct actctgaaag 540
actatgaaca caatttaaag ttcttttttg taatatcctc ccatgactaa gtatcaagaa 600
aggaacacac acaatgacac tgtttttggc acttagagaa gtgctagagg ctagggtgctg 660
taaggccttg caccagtggc agctgcagac aattgccaga 700

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<210> 203
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 203
acccaataaa gttacaggac taaagtgagc tactctgaaa gactatgaac acaattttaa 60
tttctttttt gtaatatcct cccatgacta agtatcaaga aaggaacaca cacaatgaca 120
ctgttttttg cacttagaga agtgctagag gctagggctg gtaaggcctt gcaccagtgg 180
cagctgcaga caattgccag agtgattctg tgtttaaaaa aaaaaaaaaa aagacacaaa 240
ccaggagggt aaggaaccag cctttcccaa gtgcattctg aagggcaaat aacaaggaga 300
aaaggatata acaacaaaca aataaacagt aaaacaaaac ccacattaca gctttgagag 360
aaaagacaac gttgctcatc tctctcacct gataaatttc ctttaaacca tacataagac 420
gctatagtag caaggagggt tccacagcag tggaaaacaa gaatagtaga ttcaatggag 480
cattttattat gagcctggac aagcccagtg ctttgatcag atgtaaacaa gtctactcag 540
tcgtcatgct gagtgggtctt aagagctcac acatcagtgc actttgctgg tgatctgcat 600
ctgctcatte tgctccatct tcattacctt tcactttccc tagctctgag ctctcctgcc 660
ctggggaagc aatgatccag ttaatgtcct ctgtaactga 700

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<210> 204
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 204
caagcccagt gctttgatca gatgtaaaca agtctactca gtcgtcatgc tgagtgggtct 60
taagagctca cacatcagtg cactttgctg gtgatctgca tctgctcatt ctgctccatc 120
ttcattacct ttcactttcc ctagtctgct gctctcctgc cctggggaag caatgatcca 180
gttaattgtc tctgtaactg agaaaaggta agaatcaaac tccttgtgca attacttcct 240
tttctcttaa agttcaccac tagaggggag tggggaaaag ggtgggggac ttagacctct 300
agccttatta ggggcctttt caagtagtct aaaattaaaa tgtacattta gcatatgctt 360
ctcacattcc tccagatctc actggttcta gtgaaaaatt aactgctttg gaggtgctga 420
gtccatcatt gtaatagtta ggacttagat gaagttgtct gtaggtagcc ccagtgtccc 480
tagaggaagg tgggtgctcta gggccatatg tagcctctga gtgtgggtgc ccatccagga 540
gcaagtcaga cacaggtcaa gaggacaaac agcaaaggcc tttgtcactg aaggactcgg 600
agtctgcaca agctggccat ttctggcaag acagtctttc ctcttcagtt tctcccttac 660

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tggaagcgat gttagaaggc tgtgctttta aggattgtgg

700

<210> 205

<211> 700

<212> DNA

<213> Homo sapiens

<400> 205

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agaggacaaa	cagcaaaggc	ctttgtcact	gaaggactcg	gagtctgcac	aagctggcca	120
tttctggcaa	gacagtcttt	cctcttcagt	ttctccctta	ctggaagcga	tgtagaagg	180
ctgtgctttt	aaggattgtg	ggcctttctt	gaccatcttt	taacatcctt	gtgtgacttg	240
gagtttttct	gtgtttcatt	ctataaaaaac	aagcaaaaat	atgtcagtaa	cacattttaa	300
aaagatgcct	cccagtctcc	aaacaaacaa	gaactgagga	tatcttcctt	gggaagagaa	360
tcctgcagca	gattctgaaa	ggtttcttct	agcctctgag	ttatccagtg	cggctactgc	420
catggagatg	tgtatagtga	catgtccaca	caggaacaga	ccagagagga	tgggctataa	480
gtaagcacct	tgccattttac	aaccctttta	tggctaaact	agtccatggg	gtctgtgaga	540
gggagtttgc	gagtagctct	attgtgaggg	gctcctgaga	cctggccaga	cccagaccca	600
gtgcatcaac	actgacagag	gaggtcttct	taccctttga	ctcttagcat	ctggtcaatg	660
gtgtctggga	gtggggtacc	gaagctctct	gggagaaaca			700

<210> 206

<211> 700

<212> DNA

<213> Homo sapiens

<400> 206

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tattgtgagg	ggctcctgag	acctggccag	acctagacc	agtgcacaa	cactgacaga	120
ggaggtcttc	ttaccctttg	actcttagca	tctggccaat	ggtgtctggg	agtggggtac	180
cgaagctctc	tgggagaaac	aaggtgagga	tggctgtcag	gatggtcaga	cttcccatga	240
gaatgtaggg	caggaagcgg	tcgtaggcac	ctatggcaaa	gcagacggag	cctcaggccc	300
agggctgcag	ttagactttg	tctctcatct	acctctttat	gctcccagga	ctctggaagg	360
ggatcacttt	ccttcttggt	ctcacatctc	tcacagtctg	agcagtcaga	ttagaatctg	420
gcatctagac	aggtttcaga	acctagagct	ggcacaggca	tgcccagagc	ccagcagtg	480
tcaccatgc	aggggaggag	tacaaagggg	cggttgcagg	agaagagctg	ggccatgctg	540
attattccta	tttctggggc	atgctgatta	ttcttattta	ccaagggttg	gtttccaagg	600
aacctgaggt	acttgtccag	ggatggaaat	aactcttcca	cctctgcaga	tgtgtcccag	660
cccatgtgat	ctgccttcag	attaggcagg	gtgcttttgc			700

<210> 207

<211> 700

<212> DNA

<213> Homo sapiens

<400> 207

gtacaaaggg	gcggttgacg	gagaagagct	gggccatgct	gattattcct	atttctgggc	60
catgctgatt	attcttattt	accaagggtg	ggtttccaag	gaacctgagg	tacttgtcca	120
gggatggaaa	taactcttcc	acctctgcag	atgtgtccca	gcccattgta	tctgccttca	180
gattaggcag	ggtgcttttg	cttgctttga	gatctacata	gcatgttcac	aaagcactct	240
gagtactctc	aggtgggtgc	caccctccct	aaagaggtac	tggctagggg	tgtgcaggga	300
aaccacaggt	gctatgaaga	cataattctg	agaagagaaa	actggagacc	tgctacataa	360
aatggcatgg	ggtggatctt	cacacaagat	aaaatcactc	tatagtgtct	taggttataa	420
taattttacg	ttcatcagac	ctcttgcacg	gacatctttc	ccctcatgtt	ccttttaaac	480
tctgattcca	agaaatttct	ccaactaagc	acactggctc	cctaaaccac	tctgtaggtt	540
cttaggataa	aggaattgta	gtctctgatg	gaaggcctgg	gatggctaaa	acagaaacaa	600
accctcta	attctcatca	atttctaggt	aatctatagg	ttgttttcca	tttgaaagtg	660
agggccagtg	cactgggaca	agaacccttc	ccggccaaag			700

<210> 208

<211> 700

<212> DNA

<213> Homo sapiens

<400> 208

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tccaactaag cacactggct ccctaaacca ctctgtaggt tcttaggata aaggaattgt 60
agtctctgat ggaaggcctg ggatggctaa aacagaaaca aacctctaa tattctcatc 120
aatctctagg taatctatag gttgttttcc atttgaaagt gagggccagt gcaactggag 180
aagaaccctt cccggccaaa gatccagtag tggatggagc ccatgtactg tatgaacttg 240
ttttcctgtt aacacgcaac ctccagctca cattcaagcc agttagtact tccatcccgt 300
tgctctagtg tgcccttggc tcatgggact taccaaggta aacgaagtag ggagacagga 360
tgctgcccag gcgggatgct gtggagctga ctcccacacc catgtttctc accactgtgg 420
gatacagctc ggctgtgtac acgtagacca tggaaaaggc agccgtgact ccaaacttgc 480
ccaccatcac caggactgta gccaaataat acaagtctgg agaagcaaag gaaagagggg 540
aggagtaggt accaaccat ggcatgcagc tattgagagc aaaacaaaca tactttcttc 600
ccaaatTTTT tggggagtgca gtttctatca ctccctattg tgggggaagg ggctatagcc 660
aagatttccc tccaaattga ttgctgaaag gaggctggga 700

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<210> 209

<211> 700

<212> DNA

<213> Homo sapiens

<400> 209

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agccaaataa tacaagtctg gagaagcaaa ggaaagaggg taggagtagg taccaaccca 60
tggcatgcag ctattgagag caaaacaaac atactttctt cccaaatTTT ttggggagtc 120
agtttctatc acttcttatt gtgggggaag gggctatagc caagatttcc ctccaaattg 180
attgctgaaa ggaggctggg acctgcagct ataaggacat gcactttcct caacctggag 240
accaccagag taagctcctt aatagtccaa tcaacctgct tcccagtcta taagtcatta 300
aagacatgtc tgtcagggat taactgtcac ccagaaacct cacactgcag gcactatgga 360
attaactcat gatgtttaga tgaatggaga attcagttct aactcatttc atgttttctt 420
cccactcaga cctcaaaaaa atcataggcc atcagaatct cgagttgatc ttctaattctc 480
tctgtgctgt gctgatggga gagctatgtg tgacctgaag gtcactctga gctcagctgt 540
gagcctctac atcagttctg ggctcctcct gccacatccc atggggagct gttcccgtgc 600
agtgttctca gctgatggg cccaaaagtg accatcagag gctcccaaat ctacaggtac 660
actgaagtct ctgggcacag tgatggagag ggagagatga 700

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<210> 210

<211> 700

<212> DNA

<213> Homo sapiens

<400> 210

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agagctatgt gtgacctgaa ggctcactctg agctcagctg tgagcctcta catcagttct 60
gggtcctctc tgccacatcc catggggagc tgttcccgtg cagtgttctc agcctgatgg 120
gccccaaagt gaccatcaga ggctcccaaa tctacaggta cactgaagtc tctgggcaca 180
gtgatggaga gggagagatg agggcccatg aactgttcta taaattattg gaaatggcta 240
cctcccaccc atctgtggga tactaagata gtttcagaaa taaaatcctg ctaagggtct 300
gtgaggccct ctcaagtgtc tggccccctc ccttctccct cctcctcaaa catgccaggc 360
tcatccccctg ctcaagggtc ctgcctttgc catttcttct tcctaaaatg ttctcctaga 420
ctttttcagg gctttctgtc actttatgta catttctact gaactgcccc ctgttcaggg 480
acactatctg tgactatgta aactaactcg gcattgtcct tcatttgtat tcctagaagg 540
taacacagtc tgaactatat taagcatttt atttacttgt ttgttgtctg tcttctcatc 600
taggggtgtac gttccatgag ggcttggggg tctgcctggc ttgttttctt gtgtatcgtt 660
atcaccgagc acagtgccca gcccatggta ggcattgcat 700

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<210> 211

<211> 700

<212> DNA
 <213> Homo sapiens

<400> 211
 aaactaactc ggcattgtcc ttcatttgta ttcctagaag gtaacacagt ctgaactata 60
 ttaagcattt tattttacttg tttgtttgtc gtcttctcat ctagggtgta cgttccatga 120
 gggcctgggg ttctgcctgg cttgttttct tgtgtatcgt tatcaccgag cacagtggcc 180
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 aaaaaggaat gggatagcta tttcttccct cttcttctgc agtggaaaac agtatgagca 300
 cattaacttg ggtacagagt aaaattaacc aacagcccca atggctgctt tttcccactc 360
 cctcaaagcc caggccataa gtgttctagt ctcagaagac actttctatt gatttttagg 420
 ccaagaatgt atataagcaa gggagctgtg atgggcttga ttttattctc tttattaatt 480
 gagacagcct ggtagacagt aagagactca gtgaagacc caaacatag atgcacatgg 540
 tccctacctg ggggtaccag ctgcatgaag agaaggacac tgccaccag gaagagggca 600
 gtggccatgg aatagcgccg gggcaaatat tgcagcagca gccaggccaa cacatatgct 660
 gggacttcaa ccatcgctga aaggaagcag ttcacaaaga 700

<210> 212
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 212
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 gctgcatgaa gagaaggaca ctgccacca ggaagagggc agtggccatg gaatagcgcc 120
 ggggcaaata ttgcagcagc agccaggcca acacatatgc tgggacttca accatcgctg 180
 aaaggaagca gttcaciaag atgtcccat gcaagttagg agtatcaagc gaaagcccaa 240
 aatagccac tgatatgggc atcctgaaac agagtgcaga agaaagctgg aaaagcagta 300
 tccacatctt tcccacctg tacaactttt acaatgcaat tatttcagta aattccaaac 360
 catctttaag cagagactag taaggcagca gtaactgtaa ccctgcgtct tacttcatag 420
 atcaaaagat aattttcccc agcccaagtg gtacagtgtg aaccctgcgc cagtgcgctc 480
 tcagagcctt ccatatagac agtgctccag caaaaaagct tgtataattc agatagattt 540
 acttcattga aaagaaaaat tccaacctgc ctttcagctt taaaaatcct aagctgaacc 600
 tcctcaaate cagcaactgc agaaggagct agagaatgag tcaggaggca gacatcaagt 660
 gaggtgtgat aggatttggg ggataagata acaaaaggaa 700

<210> 213
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 213
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 ttccaacctg cttttcagct ttaaaaatcc taagctgaac ctctcaaat ccagcaactg 120
 cagaaggagc tagagaatga gtcaggaggc agacatcaag tgagggtgtg taggatttgg 180
 gggataagat aacaaaagga acaacattag gtcaaact tggagagaga cctcacaca 240
 ctacctgtgg tgaccagtca ggaagaggct ggtcagagac agctgacacc agccccgagg 300
 tacttgtgga gcagagaggt ggctcccaat ggaggggcca cactgcctct catcaggatg 360
 ccctgcagta cccctgacct gggcatcccc agtaggcatt ctctctgttg atgaccaca 420
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 ggctacatgc tgctcctgtc ttgaggccaa ctacgggaat ggtgaactgc ctggagggat 660
 cctgggcat tcttgggaag cgggtgactc atagcactcc 700

<210> 214
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 214

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agagtatgtg catgagtccc caggaaatcc agagcagggg ggagagcctg ggtgaacaca 60
aaagtgggtg actcatcaca ggcttgcatt tctgtggtgc aggctacatg ctgctcctgt 120
cttgaggcca actcagggaa tggatgaact cctggaggga tcctgggcca ttccttgga 180
gcgggtgact catagcactc cctcagtagg cacagtggct gactgcctca aagctggatg 240
agactagtaa taaggactct gagatgaagt ccgccctcct cgcctatctt ctcaccgcta 300
acccaccagg ctccagaagt cgcttagaat ccaggggttc ggccgctgag caaaagctag 360
cgatgtgcac ttggacatgt ttctctccc ttgtaattca caaatccctt tctgacatac 420
tttgccatcat tagtgggaac ctggtaagga catctaggct atagccctga ctccaggacc 480
gtttatggac atcccaggag gagcacatcc cacttccaca tttccagaaa gtaactggca 540
gcctctgcag cctacaggac atggtgtctt cactcagatc cttcttaaaa gccctacctg 600
gcctcctcag ccactgtcgg taactgggta ggagacggga actaaatgac ccaaattggg 660
caaggattca tcttaagatc tggagagatt cccacagaga 700

```

<210> 215

<211> 700

<212> DNA

<213> Homo sapiens

<400> 215

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ggagcacatc ccacttccac atttccagaa agtaactggc agcctctgca gcctacagga 60
catggtgtct tcaactcagat ctttcttaaa agccctacct ggccctcctca gccactgtcg 120
gtaactgggt aggagacggg aactaaatga cccaaattgg gcaaggattc atcttaagat 180
ctggagagat tccccacgag agtccatatt tcccacaaca gcctccacaa ttgttttcat 240
tctccttttc tgagggttcca tcccattaag aattgtgaca tgcccatttt ttccatctaa 300
cacaagacat atccttttca ctctctgatg acataggctt tgaattttgt ctgaggcatg 360
tctgtaaaca agaggcccaa tggccacttc aagaagcttt gtctggaagc ctcaggcagg 420
tctcttttac ataccacagc attatggaca tgatgggtgac catccggata ttccagggtc 480
gaagcagatc cagaatgttg tgggactgct gcttcttgga acttaggtct tgtaactgca 540
ggaacaacat cataagtgtg tgggaagaag aggtgggtcag agactcagag cacacaataa 600
catacttgaa tccttgccat cttagctgtc tgcattctcag cgtcggggag tgttacgttt 660
ctaagaacag taagtatact gactgtgttt taggctgtga 700

```

<210> 216

<211> 700

<212> DNA

<213> Homo sapiens

<400> 216

```

gtgggactgc tgcttcttgg aacttaggtc ttgtaactgc aggaacaaca tcataagtgt 60
atgggaagaa gaggtggtca gagactcaga gcacacaata acatacttga atccctggca 120
tcttagctgt ctgcatctca gcgtcgggga gtgttacgtt tctaagaaca gtaagtatac 180
tgactgtgtt ttaggtgtgtg aaaacttccc taggccttgt cagtaacaaa tcagagttaa 240
tgaaaatgag gaaaagtaag tgaccagtcc ctcaagggtg caggaagaca gaggcccagg 300
ctgacagctt cctcactgca ccccacata ttctgtcggg tggccacatt ccaaggaggc 360
ctctaagtat tcctcccgaa gcctggctcc ctgccctctg ggtcagagag agtacctggc 420
tgtgtggttt attggtctga ttttttttaa aagttaattg tttgagtcct tatactatgt 480
agttactggt gtgcttccag ggaaaaagaa ttcaaataga aaaacaggaa aattgacctg 540
agcttcaccc agagtgactt cctatgaaat tcagcacagc caaggccatt aataaaccac 600
acgtctaacc acactgatgt tgctttctta agcaaaccga gggttgaggc ttgtttttcc 660
agagttagaa gttcaacaaa aggtcaactt tggactgaaa 700

```

<210> 217

<211> 700

<212> DNA

<213> Homo sapiens

<400> 217

```

gggaaaaaga attcaaatag aaaaacagga aaattgacct gagcttcacc cagagtgact 60

```

```

tcctatgaaa ttcagcacag ccaaggccat taataaacca cacgtctaaa cactctgatg 120
ttgcttttctt aagcaaaccc aggttttgag cttgtttttc cagagttaga agttcaacaa 180
aagggtcaact ttggactgaa agtatcccct gaaatagcct catttcctca aagatgccag 240
tggggccttat gcattcaccc agattgaccc ctcacttaaa agcccccaa accacctaac 300
ttaaaagccc tctgccacac tcttgccctga cctttgcgca caggacccct ttctggtgca 360
tgctgacagt ggctgctggg ccaccactca ctgggaagtc tgcagggctg gcagtggcca 420
ttggcctccg ctgtctacaa taactgttcc ctcttttcca agcccaacca tgctgcctc 480
tcacacttca gcagggctgc ttgtggctgt tcccacaccc aaccctcat cttccagtca 540
gaccacagac acattccaga accccaccag gcagcattta cagcttctaa cctctcatag 600
tcacgagacc aaggaaaact gcctgctaca gagatggtag gagaggggaa ggggaaggaa 660
agcaagaacc aggaactagg tagagccaag aaatgagtca 700

```

```

<210> 218
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 218
cttgtggctg ttcccacacc caaccctca tcttccagtc agaccacaga cacattccag 60
aaccgccacca ggcagcattt acagcttcta acctctcata gtcacgagac caaggaaaac 120
tgccctgctac agagatggta ggagaggga cgggaaggaa aagcaagaac caggaactag 180
gtagagccaa gaaatgagtc atgggtgtgt agaacagggc tgacgggagg ggtggggtag 240
ggggaagagg tggacatcaa aaaggacctg actccaagat gatatgcaat aattaacct 300
tggagggcag aaagagacta aacacttttt ttttcttttt aatgaataat tgctaatact 360
caagagatga aatacttcta actccaaatc tatttgtgct ttacatttta cgtttggggg 420
tagcttttga aggtgacaag ccaccttagg tataagaaac aatgattttc ccaaagtctg 480
actttatgaa aggcctatta ctcaaaaaga gtatttattg ttagaagtaa tgggttaaaat 540
atatgattgc ctagaaagga agtaaaaaat gaaaatctga aaccctggtg gaaaagagt 600
aggcagctgt aacctattcc tcaacttctg agtggttaaca gggccctgtg gggggtgggg 660
agtgggggga tggggggaat gggcagttgg ggcttgggca 700

```

```

<210> 219
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 219
actcaaaaag agtattttatt gttagaagta atgggttaaaa tatatgattg cctagaaagg 60
aagtaaaaaa tgaaaatctg aaaccctgtg tgaaaagagt gaggcagctg taacctattc 120
ctcaacttct gagtgttaac agggccctgt tgggggtggg gagtgggggg atggggggaa 180
tgggcagttg gggcttgggc agagagaggg ctgggctgct gtgagcaggg aggacttcag 240
ggctgggtgc tgctgctctc aaatcacggc cagtctgtcc ctctcaccca caccacatg 300
gtgcttacct cactcgggtc aaagatagtg gaaggcaca caatccatt ggctttggca 360
gccttgcgga tgatcacctc tgctcttca aatcgtccct gagagatgag ccacggggg 420
gactcaggga tgaacctggc agtacaaggt ccaatctcag tgaggcctcc ctgccaacag 480
cagaccaca gaccaggtag agcacagcca taggtgggaa taagggtgca gaaccagagc 540
ttgtggaatg tttggtgatc acaagccaga agcaaagagc tgatccacac gcagcaataa 600
cctgggggtg atgagcttat gtgtaccca caccgcaca aaatgggaga gccctgcacc 660
ccctgacggc atccccatgc tggctggcca cctccatttc 700

```

```

<210> 220
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 220
gagcacagcc ataggtggga ataaggttgc agaaccagag cttgtggaat gtttggtgat 60
cacaagccag aagcaaagag ctgatccaca cgcagcaata acctgggggtg gatgagctta 120
tgtgtacccc acaccgcaca aaaatgggag agccctgcac cccctgacgg catccccatg 180

```

```

ctggctggcc acctccattt ctgaagagca gtgttgccat ctgctgggct gaggagatgg 240
gtgcaagatg ggctccggaa gcctggcttc tgtgcatgtc tatgtcagcc caggccctgc 300
tacactctcc tccctgtccc cggcaccaac agaagcttct gcaactggcct tttagcttct 360
cttctctcct caccctaccc ctgatttata caacagatta gtcagatact ctacctaaaa 420
tagcatgttt ggccagggtgc agtgggttcac tcctataatc ccagcacttt aggaggccaa 480
ggccggtgga tcatttgagg ctaggagtgc cagaccagcc tggccaacgc agtgaaaccc 540
gtctctccaa agaaatacaa aaaaaattag ccaagtgcgg tggcaggcac ctgtagtccc 600
agctactcgg gaggctgaga catgagaatc gcttgaactg gggaggcgga gggtgcagta 660
agtggaaatc acgccactgc actacagcct gggcaacaga 700

```

```

<210> 221
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 221
gctaggagtt ccagaccagc ctggccaacg cagtgaaacc cgtctctcca aagaaataca 60
aaaaaatta gccagtgcg gtggcaggca cctgtagtcc cagctactcg ggaggctgag 120
acatgagaat cgcttgaact ggggaggcgg aggttgacgt aagtggaaat cagccactg 180
cactacagcc tgggcaacag agactttgtc tgagaaaaaa aaaagaaaaa aaaagaaaaa 240
gaaaagaaaa aaaggaaaaa aattagcatg tttatcaagg cacttgagtg ctctatggat 300
attattttcc accttgctgg gaccaggtag ccgcccccca cctcgggtca tgactgggcc 360
ccatgatgtg cggcttactc tcccactatg cctgaaatg ctctctgctc cacttgggct 420
ggtgatctca ccttctccac ctgcaagggg tgattccac cttagcacct ctgcagtgtt 480
cccctcttgg tctggaatgg cctcttctct gcctgttcaa ctctctacc ttggtggtgc 540
agaaggagcc tggcttcctc catgtggcta ccctgaggac tcttgtttt ggtgccagt 600
cctgtggcat gaggcttcag cagcacacag ccagaactag ggcctacact gtctgcct 660
gaggcttggg aacttcctac agggcatgct ggaccccatc 700

```

```

<210> 222
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 222
gcctcttctc tgccgtgttc actcctctac cttgggtggtg cagaaggagc ctggcttctc 60
ccatgtggct accctgagga ctcttgcttt tggtgccagt gcctgtggca tgaggcttca 120
gcagcacaca gccagaacta gggcctacac tgcctgccc tgaggcttgg gaacttccta 180
cagggcatgc tggaccccat cttctcacag ctactgctat ttttccccac acttggggca 240
accagcaca gggctgagag caagtctgtt gctgtcatgg gattctgttt tgttttggct 300
cttttgagtg tggagaaaac attctgaaat aatttataat ctatgcttcc tgtctctggg 360
agacaaaata gggattcatg ggttggtgct gccctctagt gaaggccaga cagaaatcat 420
cctgccagtg ggcacatggg gcacagggtc acactcacca ccagagtgcc acgcacagca 480
ccccggcat cgtcagcgcc accagcagca tccgccagtc tcggatgaag taagcaaaca 540
gtggcagcac catgtagcca aatgcataaa atatgcacac tcctaacgta gagaatatta 600
tacgaactga cttgccaaga atttctgtcc ctgttcaaaa caaggagggt cgagttagca 660
gtttaatttg ggttccttcc ttattaattt tttatggtat 700

```

```

<210> 223
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 223
caccagcagc atccgccagt ctccgatgaa gtaagcaaac agtggcagca ccatgtagcc 60
aatgcataa aatatgcaca ctctaactg agagaatatt atacgaactg acttgccaag 120
aatttctgtc cctgttcaaa acaaggagg tcgagttagc agtttaattt gggttccttc 180
cttattaatt ttttatggta tctttgtgaa tacacagaca agaaaacagc gagaactctc 240
tctaagttca tggcgctagg gagcggatgg cgttctgaac ccctcctgtc tgactgtctc 300

```

```

ctgggggtac atccctgtgg cctctcagge cccaagcaa cagttctctc ttgaaaattt 360
cgccatgttc tgaagccatg tgctaaagat gccatggtag gcccccttta atcctcacat 420
gaggaagaat ttattaaaag tgaagtcatt actaagtcag cacatgctga ctttagcctc 480
aaggaaagaa tattaaatat aaaaagaaaa aacaaccctt tcaacaatac aaccaagga 540
actcaaaggc cttatcagct agagtcaggt tcctccaaac acaggccggc ctggcagctt 600
ctcagtgaca acaggctggc acatttgaga caaagccctg cagtgtgcac tctgaattaa 660
aaccctgaag gtgacgaaag ccccttcta tcaatttatt 700

```

<210> 224

<211> 700

<212> DNA

<213> Homo sapiens

<400> 224

```

taaaaagaaa aaacaaccct ttcaacaata caaccaagg aactcaaagg cttatcagc 60
tagagtcagg ttctccaaa cacaggccgg cctggcagct tctcagtgac aacaggctgg 120
cacatttgag acaaagccct gcagtggtgca ctctgaatta aaaccctgaa ggtgacgaaa 180
gccccctcct atcaatttat tcttgctcgt agatatcacc agccacagtg ctctgcagac 240
aagggggttct ctaccttagc aagcttgcca gtcacagccc ctctcctcc aaccatgccg 300
ccctctttct ggggctggct cagccctgtg cagtggcagg cctttttgt aaatggagga 360
tctctggtga gtcctagtaa attgactacc aagtactaag accaaggagc cacagcccag 420
aggccagaaa agaactggaa atcagaagtc aggccattgt gctgctggg accccaggct 480
ggtctcatgt ctggctcagt ttccctgcct gtaagtaagg ttcaccagga agctctggct 540
agttttgtta gaaaccctgt ccccttgag ggacatcaca gctgtctcca gaaaggtagg 600
tgatgggatg atgggtgaaat acaggatcaa gtactcaact ccaacctgat ggccataccc 660
aggacaaatg ctgccacata gttggagatc tggcccatgc 700

```

<210> 225

<211> 700

<212> DNA

<213> Homo sapiens

<400> 225

```

tttccctgcc tgtaagtaag gttcaccagg aagctctggc tagttttgtt agaaaccctg 60
tcccccttga gggacatcac agctgtctcc agaaaggtag gtgatgggat gatggtgaaa 120
tacaggatca agtactcaac tccaacctga tggccatacc caggacaaat gctgccacat 180
agttggagat ctggcccatg cctacaagga caaacagcac gacaaacatc tcaaaattct 240
tcgagaagat ctgcaggaag ctgaagcctg tctgcatgcc catggtcacg aacagcacat 300
tcttcgggcc aaacctggga agaaaaggag agtgacagat aaccagctgg aaaagggcag 360
caggaatggg ctccaccaag tggggctttc tcaagatcca tccagtaagt ggggtgtgaa 420
agtgttgcca gaatactggc tgccaggggac agtctcggtc tcacagtgcc catgctatct 480
ctccccctcc ccaactccca tgacaaatgt acagcctggg taccagggtt gcctaaaaag 540
caatgctaca attatgataa tgattgcaag agactgaaat acatcaatta tttaatccat 600
acattcataa tgatattttt tttaaaaaag aatctgccaa atttggagaa taacagagaa 660
acaattcatt ataaatgaaa actggcaaat aaagagaaag 700

```

<210> 226

<211> 700

<212> DNA

<213> Homo sapiens

<400> 226

```

atgacaaatg tacagcctgg gtaccagggt tgcctaaaaa gcaatgctac aattatgata 60
atgattgcaa gagactgaaa tacatcaatt atttaatcca tacattcata atgatatttt 120
ttttaaaaaa gaatctgcca aatttgagga ataacagaga aacaattcat tataaatgaa 180
aactggcaaa taaagagaaa gaagcatttg tcctgatttt cctttgtaaa ctatgtgaac 240
agcaaccaat aatagataag aggtagtatc atgtacaaaa gtattctaac ttttaaata 300
aaaggtaata aaattagaat aataccattt atagcccca atggattaat agatctatgc 360
attatatact aattactgtt aacatcataa agagacagtc aggaattgca tgcttcctat 420

```

```

ggtcttgcca aaaggactga acctgaatca gaacctgaat ctcaagtctc tggatccaac 480
tgccaatttt gaggaatgc agagcataga ggaatgtgct gaactgcatc atcagtgtgc 540
aatcaacaaa tccagactgg gaaattctat aggtggaata gctcaggttc ttcatagata 600
atcagtaagg catagaaggc gatagaagga gaatccatag attaagtaga ctaaaagaca 660
tcaaatatat taagtgggca acactaaatt tgtgtcaagg 700

```

```

<210> 227
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 227
cagagcatag aggaatgtgc tgaactgcat catcagtgtg caatcaacaa atccagactg 60
ggaaattcta taggtggaat agctcagggt cttcatagat aatcagtaag gcatagaagg 120
cgatagaagg agaatccata gattaagtag actaaaagac atcaaataa ttaagtgggc 180
aacactaaat ttgtgtcaag gatgcatatt tcgataataa aactaaaaaa actcacaagg 240
aagtgattat tacaggagtc aggctagcgg ttacttaatg gggagagaga gaggatgctg 300
taattgggat ggggcacatg gacagggcct cttagtggac agcaaagttc tactgctcga 360
cttggtggtg gtcataagggt tatttctctg aaaaaaatc attaagctac acatttgttc 420
tgtgtgggtt tctgtatccg tgctcatttt aaaaagtgtt taaaattggg tttattttgg 480
tttgttttaa agagagtgcg acaaacagga ggaaaaagtc aagctagtgg gaagcagtgg 540
gttcagtttg agtctggcca gtactggctg acacccactt tcattcaatg tttattgagc 600
atctattata gagggcactt ggatatcaat aaattaaaaa agatgctgtt tctgccctta 660
aggagtgtca tagtataact ggtgaaacac atattaacca 700

```

```

<210> 228
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 228
cacaaacagg aggaaaaagt caagctagtg ggaagcagtg ggttcagttt gagtctggcc 60
agtactggct gacacccact ttcattcaat gtttattgag catctattat agagggcact 120
tggtatatcaa taaattaaaa aagatgctgt ttctgccctt aaggagtgtc atagtataac 180
tggtgaaaca catattaacc acattttaat ctaacaacac gctactgaat atacaattac 240
acactgagtc aagtgcactg aaggatcggc atgcagggtta atgagaggca caaggaagga 300
agctaccctg gactgggggt aagggttggg gaactggaca ttcaggaggg gtctccttga 360
tcatgggaca ctgagatggg aaaaaatagt tgacgatggg ggatttaagg tgtagggacc 420
aagctctcaa tgatattcac agtatagtgg ggaagaccaa cattaatcct ataataacac 480
tttttttccc ccaatttctg gtagacgttt taaaggaaag tcataaggaa ctagggatcc 540
tgaattagcc agcatgggtt aagaaggcca caggggggtg gttgggggtg gtggggaatg 600
cttcagactc tgagaagacc acacaccccc atggctggag ggggcatggt gaacatgagg 660
aaccagtgtg gttggcatca ggcgtgcaat tcaagagtac 700

```

```

<210> 229
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 229
ggtagacgtt ttaaaggaaa gtcataagga actagggatc ctgaattagc cagcatgggt 60
aaagaaggcg acaggggggt ggttgggggt ggtggggaat gcttcagact ctgagaagac 120
cacacacccc catggctgga gggggcatgg tgaacatgag gaaccagtgt ggttggcatc 180
aggcgtgcaa ttcaagagta cagtgggtgg taggaggcaa attgcacaag gtcttgcaac 240
tatgtggaag agtttgggtt ttttcctcaa taaaagaggt ttttttctgt tgttgttttt 300
tttttccatc acttgggggt cactggcatc taatgagtag aggccagata tgttgtaaaa 360
tattctaaaa tgcccaggaa aatgccctag aacaaaatta tttggctcaa aatgttaata 420
gggtcgaggt tgagaaactc tcgcctggtg gtagactcta ctttcccctg catgggtttt 480
ttaacaagca tgttctatat gccaaccaag ggggtggttc taaccacaag gcaggctggt 540

```

```

ataatctcta tgccctttcc ctccctaaga gctccctggg atggttaggga agagacagat 600
ccagagaacc ctttacatag caccagtcct tggcagttca ggggttggggc cagaaatggt 660
tgctttttaa gtctgtcaac aaaatggcaa acacacacat 700

```

<210> 230

<211> 700

<212> DNA

<213> Homo sapiens

<400> 230

```

tgccaaccaa ggggtggttc ctaaccacaa ggcaggtcgg tataatctct atgccctttc 60
ccttcctaag agctccctgg gatggttaggg aagagacaga tccagagaac cttttacata 120
gcaccagtcc ttggcagttc aggggttgggg ccagaaatgt ttgcttttaa agtctgtcaa 180
caaaatggca aacacacaca tacctggaaa caggacacag cagtctactt cttcctagag 240
ttgtgcatct cttacaagtc agacgcataa agataactca atagtgttac ataaagggct 300
ttgacaaccc aggagtactt taattgctct tgaatttcag acatattcat aggccagaaa 360
gaaggtgaaa cctttatact atataaaaag ttacattgat gtcctagaca agttagggca 420
tgaattgatt gctttcaggt aatctactta gcttaggttt tagaactggg ttactcagaa 480
gtaatgcact cagaagctgt ccatcccaca gggccctggg ccttccaagg gggcacagac 540
aggcttgagg cagggcattg ggaattgaag gcaggggctg caggcagaac agccatactt 600
ttagccactt aggggtgtatt tcatttacta gacttaaatt atcctacttt aatgaaagtt 660
ctgtggccaa aatgtttaga aagggttgaa aaacactata 700

```

<210> 231

<211> 700

<212> DNA

<213> Homo sapiens

<400> 231

```

tccatcccac agggccctgg gccttccaag ggggcacaga caggcttgag gcagggcatt 60
gggaattgaa ggcaggggct gcaggcagaa cagccatact tttagccact tagggtgtat 120
ttcattttact agacttaaat tctctactt taatgaaagt tctgtggcca aaatgttttag 180
aaagggtttga aaaacactat attagccctt ctgtagacta aagtggctct aaacacactc 240
acaaattttg tttccacttt ccttggaat agaccttttg gaacttaaat gctttcctca 300
ggtaatcatt gtgtcacatg gcaagaagg tcttaagctg acccatgaca cagctgaccc 360
agaaaaatac actgcatttc tactctgaac ttgggggtatc tccttttcac atcaagggca 420
ttcttctgag ccgcagctgt cacttagctc cgtgagaagg aatctcccat gtccactcag 480
gtggcctcta agcatagcac aatcctcccc cagttccccc ctcccctccc cactcccctc 540
tccccaggca acctcatccc tatctggggc tctgctgagg gttctatatg ctgacaaatc 600
ctacatgtgt ttctctagcc aaaacctctc atgcagtacc atatccatac agccagcttc 660
acactctact tctccactta ggggtctcat agtcacccca 700

```

<210> 232

<211> 700

<212> DNA

<213> Homo sapiens

<400> 232

```

caatcctccc ccagttcccc cctcccctcc ccactcccct ctcccaggc aacctcatcc 60
ctatctgggg ctctgctgag ggttctatat gctgacaaat cctacatgtg tttctctagc 120
caaaacctct catgcagtc catatccata cagccagctt cacactctac ttctccactt 180
aggggtctca tagtcacccc aaatttagta cacacaaatt gaactcaata tccatgaacg 240
tggttctttt ccagcattct ctgtcttaga gaagtgtacc tcattcacc cagttactca 300
ggccagaaaag ctttcttccc ccaattccga catccagccc atcggaagt cttgttgatt 360
ttacctctta ccacttcctt ccatttctac caccgtcatg ctaggccatg ccaccatcat 420
ctctggcatg aactactgtg acaacctttt aattggtctc tctacaacac cttttgcttc 480
ccttcaattc tttcttcaca aggttggtcaa agcatcttta aaaaaaaaaa aaggacaaat 540
ctgattgtca cactattgct ttaaaaaatc tcagtagccc accgctgctc tgtggctgaa 600
gcccaggctc ctaactgtga tccactaagc cctggttgct catctgcccc gggctctgcc 660

```

tgccctctccc cttcatctta acaccactct ccgcacctct

700

<210> 233

<211> 700

<212> DNA

<213> Homo sapiens

<400> 233

aagggttgca	aagcatcttt	aaaaaaaaa	aaaggacaaa	tctgattgtc	acactattgc	60
tttaaaaaat	ctcagtagcc	caccgctgct	ctgtggctga	agcccaaagt	cctaactgtg	120
atccactaag	ccttggttgc	tcactctgccc	agggctctgc	ctgcctctcc	ccttcatctt	180
aacaccactc	tccgcacctc	taccacacgg	actttgtcct	gctcccatgc	cttttcatga	240
gccccggctt	tagcacttgc	tattctccct	gcctggatgt	tctttctcct	ctctaccctt	300
cagctggcta	ctttcgactc	atcttccac	tctcgctcat	gcttcacctt	ctcagggatg	360
ctgcccctga	cctcctctgt	tagacactcc	tgtggcacc	tgcaacttct	tgtatctctt	420
accatggcca	aggacaacaa	cgacttcctc	acttggttgt	ttaatacatt	ccaccttgct	480
agaaagcaag	ttttaggaca	gcagggacct	agaacagtag	tccatacaca	atagaggagc	540
aagactacct	gggtccaaat	cctaactctg	ccacttgcca	gctgtgaaac	cttggggaag	600
ttatttaatc	cctctgtctc	actttctcca	tctgtaaagt	aggaataata	aacagggtta	660
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<210> 234

<211> 700

<212> DNA

<213> Homo sapiens

<400> 234

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cactttctcc	atctgtaaag	taggaataat	aaacaggtta	acctgctttt	taaaaaaaaa	180
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caggaggctg	agacaggaga	atctcttgaa	cctgggaggc	agaggttgca	gtgagccgag	420
atcgtgccat	tgcaactccag	cctgggtaac	aagagtgaac	ctccttttcc	aaaaaaaaaac	480
aacaacaata	aaaaatatct	ggctgcgcac	gggtgtctac	gcctgtaatc	ccagcacttt	540
gggaggttat	ggagggagga	ttgcttgagg	ccaggaatta	aaaaccaggg	aagatgctgg	600
gactcctttc	caccggctaa	cccaccgatt	tgtgggtgt	tctcacatgt	gccatgtggc	660
caaggacttg	ctgaaggctg	ctactctctt	cacagtcttc			700

<210> 235

<211> 700

<212> DNA

<213> Homo sapiens

<400> 235

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acccaccgat	ttgtgggggtg	ttctcacatg	tgccatgtgg	ccaaggactt	gctgaaggct	180
gctactctct	tcacagtctt	ctctgacaga	ccctgaagct	ccagggaaag	aagacacaac	240
ataatggacc	cctctaagaa	cttcatgaaa	gctacggacc	tctctccaaa	aaaatgctca	300
catgtagtct	ctaacattgt	gcatataatt	tcgaggggtt	tgggattctc	taagccgtta	360
atgtttcctt	gagttaaaag	ctttagaatt	atacaataaa	cctgcttata	agaaatggat	420
caaaacacta	ttctccctcc	tgtcataaag	taaagtccaa	aaccacaggc	cacttagcta	480
aggggcatca	gccttggtgga	caaaagagtt	ctgcttttca	taccactagt	ggctgggtgag	540
agtccttttc	actttgcaga	gagaatgctg	gtcttcttgg	gactacagag	gcagacaccg	600
tggcactact	acagatctac	aatctagcac	atgtgcatgt	gtgcatgatg	tcaacctctc	660
ccatgctcag	gggcatgaca	gagtcacagt	gaccagggg			700

<210> 236
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 236
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 caatctagca catgtgcatg tgtgcatgat gtcaacctct cccatgctca ggggcatgac 180
 agagtcacag tgacccaggg gaggcaagcc aggctactgc agaagtgaat catggcatat 240
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 caagaattac ggagtcagat gatttggttg ctcttcttac taggcatgga gtctatatca 360
 cagacatagc ttctcttctt ttaaaatata gggccctgcg ctgaaagaat actaccaact 420
 gaaatcaagg gccaggcaca cgcttcttcc tcagtgtctga ggtcccctgg tgctccagaa 480
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 cgaagaacaa ggagattgtg agtggggcct tccagtcgtc ctcacacacc aggttccact 600
 gcaagatgag caaagggggg gtatcattca cttcttttta aaagggttta aagcaaaggc 660
 atcctggaaa atgaagtcag aacatcctgc catccccaca 700

<210> 237
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 237
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 gaacatcctg ccatccccac acgctctgag tgtgaactca cttagtcagg tgatggctca 240
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 cccactgtc ttgcttccat ttgaggagg agagacaggc agagagtaag tgttctgtcc 360
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 aagaaactaa ggccagggca cagagtgcac catctggacc tgctctgtc aggttcccac 600
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<210> 238
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 238
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 ggtccttttt gtgaccttta gagctggaat ccctgatgct gcacaccaac tatactaggc 180
 tcaattacag ctgaaagccc tgagcttgga ggtaagaaac tgggttttag ctcccactct 240
 actattaact cttccaacct cagataagca tcaccccatg ctgtgccttg atttccccat 300
 ttgtaaaaca gggattgggg taaggaatag gctgcaccgc ttgagtttcc agcttccaat 360
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 gccagacgct tggatctggc tacgcctgcc taaacaagag ccaaaagcag gaagaaagcc 480
 caaacgggaa acttagtggt tcacagaaaa atgaaaaatg ttttccagac agagagatgg 540
 tgctcagtag taacctttgc agacttctca catgagcaac caccctccta ggaactcaga 600
 cccttgccct cctggtgcca ggctgctagc ctgccctcca cggagcctgc tggctcctca 660
 ccaacaacgc aggcaagggg acatgcggct ccctagaaca 700

<210> 239
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 239
 ttacacagaaa aatgaaaaat gtttttcaga cagagagatg gtgctcagta gtaacctttg 60
 cagacttctc acatgagcaa ccacctctct aggaactcag acccttgctc cctgggtgcc 120
 aggctgctag cctgcccctc acggagcctg ctggctcctc accaacaacg caggcaaggg 180
 gacatgcggc tccttagaac aaagcatctc ttccaagcca gtgacagggg aaaacaagcc 240
 tgcttctccg cactgctggg cagtgtgggc gcacagcctc cgggcacctc tcagaggggt 300
 tggcaggcaa ccctcaggct ggacacggag aactcccgcg gcaggcacac tgctggtgct 360
 ccgcttttga ataagcgtga acctggatgg gctgggagta ggggtggcaat ccccaaccca 420
 gggaagaact ggagcatcca acccctaate aggaggcagc ccagactagc aggagtcaag 480
 aacatggggag gaccacagcc tgactgccc gctgcccaca gcctccaacc tccacagcct 540
 cagaagggcc agcaccacaca ggccatctct ctggtagggt ggtaagtatc cctgcagtgg 600
 cccccaccca cacatggctg ctaaattctag gactgggagt ggaggcggag aaaaagctga 660
 gggaattgat gacaggggtgc cggcctctgt gtgtgaggcc 700

<210> 240
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 240
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 aacaaagggg cagcagcggg ttctcacagg actatcatga ggtgagggtt ggggacccat 360
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 tgacctaaaa ccaggtcaga caatctctgc aggggacagg gtgactatag tgctcatttt 540
 gagacaggcc ccagagcatc tctcaggctc ccttagcccc accctctcta cttggtccag 600
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 tgaccgcctt tgacaactct ctgggctggg ctttgggccc 700

<210> 241
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 241
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 ggtgtgtaac tccttggtta actctgccat ccacccacca ctgacggccc ttgacaactc 180
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 ccgcaggggg tctgtgagca ggatcaggaa aggtgctagg tctcaaaact gaacacaagg 300
 gcaaacatag attgggtccc agcctgccaa tccgtccaca tatctgtcaa ccaccagatg 360
 gactgcagta ggttccagga cttggccaga atctccctga gaagagggtg atgagaagca 420
 catagagtcc aggctaagta cccctacttt aaattgttta caaaggagtc tagcattcct 480
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 cctggcacat gggatgggct atactggctg atgatcacag gtatcaatgt taaaatggaa 600
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 gtgaatgcag gcccaacctg aaaacaatct gggagcaact 700

<210> 242
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 242

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ggtcacgagt ctaatgctgt cacccttcag ctggctgagc tgtgaatgca ggcccaacct 180
gaaaacaatc tgggagcaac tctggcaaaag ggcctagact tgcccctctt cctggggaga 240
aatgcacctt tctagtgggt atggtttcaa ggggtgtagag atacatgtgt gccaaattgc 300
atgcttttagc tacatgcagt ttttatgtca tttacacctt aataaagcta ttaaacattt 360
ttaaaaagag ggagaattgt gtctcctata cctcatacat aattggcact gctttttcag 420
ttatgagaag tagagagatg acatagttcc ctgggactaa atgttcttac ctgtgaattg 480
gcaggaaggg aaaaaagata ggggtgtgtc cctaagaca gaagttcttc cctgagggga 540
tgtacctagc ctgaccgtat caacagtcag acatgctgct aggtaccaca tgttactgat 600
tgccatgtat tcctatatc ctacacacat tttatcctgc ctccctgctga aatcaatgat 660
gaatccttgc cccaccgttg tcagagcaaa gagaaaagg 700

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<210> 243

<211> 700

<212> DNA

<213> Homo sapiens

<400> 243

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agggtgtgtg cccctaagac agaagttctt ccttgagggg atgtacctag cctgaccgta 60
tcaacagtca gacatgctgc taggtaccac atgttactga ttgccatgta ttcctatatt 120
cctacacaca ttttatcctg cctcctgctg aaatcaatga tgaatccttg cccaccgtt 180
gtcagagcaa agagaaaagg tatttcctat ctttgctatc acatcctcta caactcctgg 240
cagtgcctccc tgtatcgaag agaggctcag gagctctttg gtacataggt gagtgaatga 300
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tgcccaaagt cgagatgaac cctgaactcc tgaacttcaa tctccagaat actctttttt 420
ttcttttgaa acagagtctt gctctgtctc ccaggctgga gtgcagtggc acaatctcgg 480
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ctgggactac agggatgcac caccagcctg gctaattttt gtatttttag tagagacggg 600
gttttgccat gttgaccagg ctggtcttga actctgacct caggttatct gccaccttg 660
gcctcccaaa gccctgggat tacaggcaag agccaccaca 700

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<210> 244

<211> 700

<212> DNA

<213> Homo sapiens

<400> 244

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cccgggttca agtgattctc atgcctcagc ctccctgagt gctgggacta cagggatgca 60
ccaccagcct ggctaatttt tgtattttta gtagagacgg ggttttgcca tgttgaccag 120
gctggtcttg aactctgacc tcaggttatc tgcccacctt ggctcccaa agccctggga 180
ttacaggcaa gagccaccac acctggccat tttttttttt ggctccctga cccctgctt 240
tgtgtcaact gtcagaaatt tgaccaggga tgacagggtg cagctagcta gagagtggct 300
caatctgacc actcatggcc agatgtgtct actatgtacg tgcatagtgg gccacgggac 360
cccgcaagtg gcttctctgc cttgccatat agctgcaaaa ggctggatga gggctctgtg 420
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cgggtctctg ctgcccagag tcagccccgg tcccagctcc cagggtgctc tggcttttcc 540
tccaggcagc tttggggata acagtgaggg ctctctcatc ttctaagact atctgtctct 600
acacaagata aggctgatag aaaagctagt ccaggacaat ggggagggag tgggagtccc 660
accaggact gggccgaggg cttcttagaa gcagacaggt 700

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<210> 245

<211> 700

<212> DNA

<213> Homo sapiens

<400> 245

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gtcagccccg gtcccagctc ccaggttgct ctggcttttc ctccaggcag ctttggggat 60

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aacagtgagg gctctctcat cttctaagac tatctgtctc tacacaagat aaggctgata 120
gaaaagctag tccaggacaa tggggaggga gtgggagtcc caccaggac tgggccgagg 180
gcttcttaga agcagacagg tggagagcaa ggcgatgcag agcagcttgg aagtttcttt 240
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atggtgcgat cttggctact gcaaccccc cttcccaggt tcaagaaatt ctctgcctc 360
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aaagagcgga cagcccagac aacctcagaa acaaccagg tttccagcag atggggcagt 660
ccatggccaa gaagcactgc atgatgggtt ggctaatttc 700

```

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<210> 246
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 246
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caacctcaga aacaaccag gttccagca gatggggcag tccatggcca agaagcactg 180
catgatgggt tggctaattc cccagtacc cagggatgac tgaggggcca gaggagaggc 240
cagccgagaa ccatgtggac caccaaacta ttcttgaac atgggggcat aaaactcttt 300
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ctttgtcgcc caggctagag tgcagaggct cgatctcggt tcaactgcaa gccgcctcc 420
tgggttcaag cgattctcct gcttcagctt cccaagtagc tgggaataca ggcatgtgcc 480
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ctggtcttga actcccagc tcaagtgacc tgctgccttg gcttcccaa gtgctgggat 600
tacaggcgtg agccaccag ccctgccaat atttatttat ttattaattg ctagcagatt 660
ccctctgcca atcccaacac ctcatccac atccatgtgg 700

```

```

<210> 247
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 247
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ctcaagtgac ctgctgcctt ggcttcccaa agtgcaggga ttacaggcgt gagccaccac 120
gccctgccaa tattttattt tttattaatt gctagcagat tccctctgcc aatcccaaca 180
cctcattcca catccatgtg gcatcaaagc cccagtcagt gggcaggggg agtcacattt 240
cctttaaaaa attccagtca atccttttca gccacctca agtttccctt ctaagaactg 300
aactattttt ctttagttct caaactttag agatgatattc ttaaattatt cattaactca 360
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aagacgcaaa gatctaaatc caccacaaag tttggacta catgtatgta ctttaacttg 480
aacaaattaa aaaaatccaa acaggacacc tgagggtcca gtcttcagtg gaaaaaatat 540
gactagtaat tcaataccag tgtacttaca aacaccttta tgtatgattt ggggcagagg 600
gcaggcttag agacatttag caggcatggg actagatgca gtgttcagca ggccagggtt 660
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```

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<210> 248
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 248
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gtgtacttac aaacaccttt atgtatgatt tggggcagag ggcaggctta gagacattta 120
gcaggcatgg gactagatgc agtgttcagc aggccagggt tgggttgaaa gacaacaggc 180

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```

catagaaaaa gccattagaa tgttgatgca gcaacttcca gcagtagctg ttcacctggg 240
aacaagcagc tctgaacttc aagtcaagca ttccagtagc ccaaaacaaa gatctaagca 300
ttaatctggc ctccctgcaa agactgacaa catataagta ggtgaaaggg cacataactc 360
ctttgaaact gctaagacag ctaaataaat agtctaaata ttaaaaaaca aaaggctgac 420
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aagccgggga accctcaggg gtcaatgtaa aactccaaga gatgccatgt gcttcttctt 600
gcttcactac ttccctcttc tttaggcagc cccaagtaga atttgtaggg attcctgtgt 660
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<210> 249

<211> 700

<212> DNA

<213> Homo sapiens

<400> 249

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ggtcaatgta aaactccaag agatgccatg tgcttcttct tgcttacta ctccctctt 120
ctttaggcag cccaagtag aatttgtagg gattcctgtg tcatgttccc ctctgtggcc 180
tctgcctgca acctcaggga cagcctctgc tttcatagta ctactggct tccgggaagg 240
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cggtcacact ccactacat atatgtggag aaagcaggtc caaatgctgg ggacatcaaa 480
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gactccattg aagggatgat acgccaagaa gcaacacagt tgggatctcc agagccctg 600
taagccctc tgaggctcca ggaggggagg ctacgacca acatccagca gggcttgaag 660
ctgtgccagg gcctgtggca ctctccctct ctatgaactc 700

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<210> 250

<211> 700

<212> DNA

<213> Homo sapiens

<400> 250

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cacacatgca cacacacttg gatctcccag ggtagctctc agactccatt gaagggatgat 60
gacgccaaaga agcaacacag ttgggatctc cagagcccct gtaagcccct ctgaggctcc 120
aggagggggag gctcagcacc aacatccagc agggcttgaa gctgtgccag ggctgtggc 180
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ctgagaggcc tctcttctg ggaagccttc tctaacctgc gaattggtca tctgcacatt 360
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ttcagggagc tagagtgcc gtgtctaaaa aagacacaaa acacatacat cattaacatc 480
atgttcctac atccagctcc aacaactgct ccaacagggt cggagggggac agacaaaacc 540
acccagaggg aaaatccaag gggatgagaa atgagaaagg ctccccaca ccctatgacc 600
taaggctgta tgctttaact aaatctggcc gacagccttg cctcataata cctgagaaaa 660
tattccaggt caacaagtca ccctgaaccc atcttcagat 700

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<210> 251

<211> 700

<212> DNA

<213> Homo sapiens

<400> 251

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caacaactgc tccaacaggt tcggagggga cagacaaaac caccagagg gaaaatccaa 60
ggggatgaga atgagaaag gctccccac accctatgac ctaaggctgt atgctttaac 120
taaactctggc cgacagcctt gcctcataat acctgagaaa atattccagg tcaacaagtc 180
accctgaacc catcttcaga tgaatggatc ttaaagagtg acaactgacg gcctggcgtg 240
gtggctcacg gttgtaatcc cagctttgca ggcagaagca ggcagatcac gaggtcaaga 300

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gatcgagacc atcctggcca acacggtgaa acccgtctc tactaaaaac acaaaaatta 360
gctgggcgtc gtggctcaca gctactcgga ggctgaggca ggagaatcac ttgagcccgg 420
aaggcgaaga ttgcagttag ccaagaacgc acgactgcga aggttgtagt gagccaagaa 480
cacacgactg cgctccagcc tggtagacaga gggagactct gtctcaaaaa aaaaaaaaaa 540
aaaaaaagac tgacaactga ccatgggaaa aggcaaacia ttacttacag ggcattgacca 600
gattgtcgtt tttgggttgt ggacggtagg ggaaggagta actagaggaa aaagggaaga 660
ggcagttgta tacacatgct ttattttaact tttaaaagtt 700

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<210> 252

<211> 700

<212> DNA

<213> Homo sapiens

<400> 252

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ctgggtgacag aggggagactc tgtctcaaaa aaaaaaaaaa aaaaaaaaga ctgacaactg 60
accatgggaa aaggcaaaca attacttaca gggcatgacc agattgtcgt ttttgggttg 120
tggacggtag gggaaggagt aactagagga aaaagggaag aggcagttgt atacacatgc 180
tttatttaac ttttaaaagt tcaggaaaaga gaagtatttc ttctcttcta aaaagaaatc 240
aagagactag aggaaaaacg ggatagcccc tggcccaagt cctggctctg ctacttacca 300
cccccaaccc caactagagt aagtcctgga cacacagggc catagagcat cgcccaggga 360
ccgccaggac cttcctggta ccctcttcaa agtggccatc aggacgggag gccagactga 420
ccacctgtgc agggaggagc aactgtggc tggaggtcac ctctgaagc gttcccaagc 480
cacctggctg gaggtctcc atcgctaggg tgttgaccgt tggggagggg ggagtgcag 540
cgtccagtgc gcatctggga gagaggagct cgggttcaag gaccgcgaca ggtcctccga 600
gccctggctc cagccccagc aggggccggc acccactctg gtcacaatgg tggacaggt 660
gacgtcctga ctgaactccc agccatccag acagctctcc 700

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<210> 253

<211> 700

<212> DNA

<213> Homo sapiens

<400> 253

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catcgctagg gtgttgaccg ttgggggagg gggagtgaca gcgtccagtg cgcattctggg 60
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cagggggccg caccacctc ggtcacaatg gtggacaggt agacgtcctg actgaactcc 180
cagccatcca gacagctctc ctgctccagc tgcccagggt ccacgtcgcg ccccggtctc 240
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acctcgcgcc cgtcccgcag ccgcagtggg acagtgtggt tgcgccaggc gctgtcagg 360
ttcgcgccgt ccggcaccgc gcagcgggtg tccggggtcg ctatcaggaa cacggaggac 420
aggccgggtg agccattggg gatgatgctg gcgctgagca ggaagaagat gaggcgctgg 480
aaggggcccc actcgcccag gaaggcggtc acctcgctct agtcccgcct gccgccctca 540
gagggcccaca gagcgcgccc tggggtctgg gaacgcggcg ggctttgcgc gtgcgcgcgg 600
ggcaccgcgc gccgaccagg caagccaggc agcaggcgac ccaagaccgt ccgcggaggg 660
taggtctcgc agctgacacc gccgccttgg tcctgcgcgc 700

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<210> 254

<211> 700

<212> DNA

<213> Homo sapiens

<400> 254

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ggaaggcggt cacctcgtcg tagtcccgca tgccgccctc agaggccac agagcgcgcc 60
ctggggtctg ggaacgcggc gggctttgct cgtgcgcgcg gggcaccgc cgccgaccag 120
gcaagccagg cagcaggcga cccaagaccg tccgcggagg gtaggctcgc gagctgacac 180
cgccgccttg gtcttgccgc ggctggcctt acatatggcg caccaccagg gaaggttccg 240
ggcctggggc gcaaggcgcg ccccgctggc aggcagagcg gcgcggcgga aggcggagct 300
ggggcgggac gcgaggcgcg gggcgggccc gggagtgcac ctgaggcccg ggcggggcct 360
gtcctgggga cctggcgagg cccggcctct gccagccacg cctgctgggg acgaccgagg 420

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tagccccggg tcggttagg aaggcagcgg gactcgaggg cttgggggtcc gagtccgaac 480
tcgctcctct agcgccgggc ggggagcgag tgggagagcg gccgcgaagc tccagtgttg 540
aaaacgcacc cctcccagct ttttgcaagg cctacttggg ggcggaggta aggagaaagt 600
cactggccca gggcttcaca gatagttgct cttgacaccg cctaattctta taagagggac 660
ggggattatt ttgaacctgg gactgttaac taccctagta 700

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<210> 255

<211> 700

<212> DNA

<213> Homo sapiens

<400> 255

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cggggagcga gtgggagagc ggccgcgaag ctccagtgtt gaaaacgcac ccctcccagc 60
tttttgcaag gcctacttgg gggcggagggt aaggagaaag tcactggccc aggggtctcac 120
agatagttgc tcttgacacc gcctaattctt ataagaggga cggggattat tttgaacctg 180
ggactgttaa ctaccctagt agagaggctg ggagctatga cttttcattc tagtccagat 240
gccctttcca cattttcgtc tgtaacaagc cattttggtc atgcagatgt aaaaatttaa 300
cttcacgatt aacgatccta gcctaggggtt aaatattccc cacagattag ttatttccgt 360
gcagagttaa ttcagaagct aactggaaaa aaaaaaaaag cagcgagggtg attctaaagc 420
agcaatgttc cataggataa ggagctacat ttgttatgtt aacttttcta gtagccatat 480
taataaaatt gccagattta gcaataaaaa atataggact cctagttaaa tttgaatttc 540
agatatagaa tgaataattt ttaaatatta tgtcccaagc aggaatatat aaaataaaaa 600
tgtaactggg tgtcctgtat tttattgggc aatgctgcat atttaaaaag taaaaataaa 660
agatgaaatt aacttttagt gtatatttaa tcaagtatat 700

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<210> 256

<211> 700

<212> DNA

<213> Homo sapiens

<400> 256

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tttaaataat atgtcccaag caggaatata taaaataaaa atgtaactgg ttgtcctgta 120
ttttattggg caatgctgca tatttaaaaa gtaaaaaataa aagatgaaat taactttagt 180
ggtatattta atcaagtata tccagaacat gatcatttca tcatataatc aatatagaaa 240
ttattgatat ttacatttgt tatatgtaaa tcattgatct ttttttcccc tcctcatact 300
aaatcttaag aattcagtggt gtttcacagg ttctcaggat ttgaaaaaaa aaaaaaaagg 360
aatccagtggt gtattttaca gcacatttca atttggacta gccacacttt ttatttttta 420
atatttatatt attcatttat ttattggaga cacgggtccca ctgtgtcacc caggctagag 480
tgcatgggca caatcatagc tcaccgcagc cctgaactcc taagcttaag tgggcctcct 540
gcctcagcct gctgagtagc taggactaca ggcacatgcc accgtgcccc gctaattttt 600
ttattttttt tatttttacag agacaaggca tcctgtgtgt gccccaggctg gtctcagact 660
cctgggttta agcaatcctc ccacctcagc ctcccaaaat 700

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<210> 257

<211> 700

<212> DNA

<213> Homo sapiens

<400> 257

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ctcaccgcag ccctgaactc ctaagcttaa gtgggcctcc tgcctcagcc tgctgagtag 60
ctaggactac aggcacatgc caccgtgccc agctaatttt tttatttttt ttattttaca 120
gagacaaggc atccctgtgt tgcccaggct ggtctcagac tcctgggttt aagcaatcct 180
cccacctcag cctcccaaaa tgctgaatta cagacgtgag ccactatgcc tggccagact 240
cattttttta gtgctcagta gccacatgta gctattgggt atcttattgg acagcaccat 300
tcctaaggcc tttaagaatt tgggctgcta aacttaacaa tgcaagatat tcctttttta 360
aatagtagtg gcttagtgat agaaacagaa ctaagtgtat atttttacaa tataatgtgt 420
tgggtaaaga atatttaata gtcactatat tatgagttga aaataaagct acagaaaggg 480
aacctaacct ggccagcaga tttttaataa ggaaatctaa acatttgcac aaagcataat 540

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agacttaaaa aaattatgat aaagatgtta tcacaggact tgtttgtttc tttataactta 600
ctattcacta ttcttacttc gtgaagatgg atgggttatac cttcagcaat gtacttaaat 660
ccttctaaca tcttatgtga agttatagtt cttatctaga 700

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<210> 258

<211> 700

<212> DNA

<213> Homo sapiens

<400> 258

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atttttaata aggaaatcta aacatttgca taaagcataa tagacttaaa aaaattatga 60
taaagatggt atcacaggac ttgtttgttt ctttatactt actattcact attcttactt 120
cgtgaagatg gatggttata ccttcagcaa tgtacttaaa tccttctaac atcttatgtg 180
aagttatagt tcttatctag aactaactga aaaagaaagc aaagcttctt gaaaataaac 240
tccttttttg tgtgctaaaa tattatttta atgcttcaaa agaaatgaaa gcttttatga 300
gaagaatggt gacctctgtc cagaccaaac aagatgaaga agtcttattt taacatttga 360
gaaatatcag ttgggcatca gataacattc ctgaaaggga ctgaaaacaa tgcagtatac 420
tacaaaagaa gctgcatatc cttaggaaga aaagaaacta tttgtcatag atggcttgct 480
cacatgcgca aagcagagag caacctaaaga tgggtgccgtc cagttccagg tgcactgtga 540
ttactatctg aatgccatta ctatttaaat tgcatttttt ttttgagaca gggctctcct 600
ctgtcaccca ggctggagtg cagtgggtg gtcttggtc actgcagcct caacctctg 660
ggctcaagca atcctccac ctgagccttc caagtgcctg 700

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<210> 259

<211> 700

<212> DNA

<213> Homo sapiens

<400> 259

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gcaacctaa atgggtgccg ccagttccag gtgcactgtg attactatct gaatgccatt 60
actattttaa ttgcatTTTT tttttgagac agggctctct tctgtcaccc aggcctggagt 120
gcagtggagt ggtcttggtc cactgcagcc tcaacctcct gggctcaagc aatcctccca 180
cctgagcctt ccaagtgcct gggactacag ccacgcgccg ctacaccag ctattttttt 240
tgtatttttg gtagagacag ggttttgcca ttttgccaa gctggctctca aattcctgac 300
ctcaagtgat cccccgtct tggcctccca aagtactggg attataggta ggagccacca 360
taccagcct taaatttcat cttttaaaag agaaagagag cttagaatct taatcagtta 420
cctgaggccc tttatcctgc aatattctga attgggatgt tcctatttta catattaaaa 480
aatgtaaaac tgatttatat ggtagataac cctacagttc agggctagaa ctttagatta 540
aatgcattca taccctggca gatgtggtag cttgcctcca agatggcacc caatgaatga 600
tccctgtacc aggattgggt tatgtgacca aaagcataca gcattagtga tgatacttat 660
atcacttggg taattacatt ataaaagatg tccatcatgg 700

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<210> 260

<211> 700

<212> DNA

<213> Homo sapiens

<400> 260

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tggtagataa ccctacagtt cagggctaga acttttagatt aaatgcattc ataccctggc 60
agatgtggta gcttgccctc aagatggcac ccaatgaatg atccctgtac caggattggg 120
ctatgtgacc aaaagcatac agcattagt atgatactta tatcacttgg gtaattacat 180
tataaaagat gtccatcatg ggtgttcttt tccctttctc ttgctcagag acaagcaagc 240
tgtcatgtta taagcagccc tttgaggggt ccatgtgatg tcaaggaatg aagtctctag 300
ccaacattta atgaggaact gagggccacc aacaaccttg agtgagcttg gaagtagctc 360
cttcagcatc agttgggtgt cgagatgact actgacagct tgactgcaac ttcattgagag 420
tcttctggac cagaaccact cagttaagt gctcccagat tccctgacct cagaaactct 480
gagaaataat gaatgttggt tgttttaaaa tggtaaaatt tgaggatta tgttatgtgg 540
caatagatag ctaatatata aattatttga atcaacaat acgttaaatt aaagctcaga 600
agaataaaca tctgtaattc cttaatttgt tttcccttct attctacaga atagaatttt 660

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acagatgaac cttgtagtta cttgtgcaat aagagacagt

700

<210> 261

<211> 700

<212> DNA

<213> Homo sapiens

<400> 261

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aaattatttg	aatcaaaca	tacgttaa	ttaaagctcag	aagaataaac	atctgtaatt	120
ccttaatttg	ttttcccttc	tattctacag	aatagaattt	tacagatgaa	ccttgtagtt	180
acttggtgca	taagagacag	tatgttggtat	tgattaagt	cagagcctct	ggatgtatga	240
tagaagaaa	accaatattc	aattgctttc	ttcttcaatt	ccaagcttgt	gagcttgagc	300
aaatttttaa	agtgttttaa	gcctcagttt	cctgggatgg	tagtgcttag	ctcgagctcc	360
tagcatatat	taactacaaa	ctaaatatta	gctataatta	ttagttttac	tttgattatt	420
gactctaaat	aaatacctta	agaactttgt	gttctccaca	gatttgata	tgtctggagc	480
ttatgtaggc	tggagtagtc	agcaattact	tgcttgagga	aggaaggcc	tcctccttta	540
agaaaagaat	aggctgggtg	cgggtggtca	tacttgtaat	cccagcattt	tggaaggctg	600
aggaggggtg	atcacctgag	gtcaggagtt	tgagaccagc	ctaaggaaca	tggtgaaacc	660
ctgtctctac	taaaaatata	aaaattagcc	aattgtggca			700

<210> 262

<211> 700

<212> DNA

<213> Homo sapiens

<400> 262

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gcggtggctc	atacttgtaa	tcccagcatt	ttgggaggct	gaggagggtg	gatcacctga	120
ggtcaggagt	ttgagaccag	cctaaggaa	atggtgaaac	cctgtctcta	ctaaaaatac	180
aaaaattagc	caattgtggc	acgcgcctgt	agtcceggct	actcaggagg	ctgagggtgag	240
aggattgcct	gagcctggga	ggtggagggt	gcagtgaacc	gagatcgcg	cactgcactc	300
cagcctgggc	aacagagtaa	gactccgtct	caaaaaaaaa	aaaaagaaag	aaagaaaaga	360
gtagaaggcc	caagcttagt	ccaatattat	agcttcagca	tcagagtaga	gaatgattca	420
gagcatctgt	ccagtgtctg	ctgtagatcc	ctcaaaccg	tgtttgagcg	cttctggtaa	480
ggggtgtatg	gcagatgcac	ccgacagatg	cacttggcag	caataactta	tgcatacctg	540
aagaatgacc	ctatgggtcta	agaagaatgt	gtgttcagag	ctccaagcta	aggaatctgg	600
gagtggccaa	cccagatatt	tcatttctta	tctatgacga	acttctgaac	tgctcccacc	660
cccagcccat	cctgtagaat	gcaggcccta	cgaggcgatc			700

<210> 263

<211> 700

<212> DNA

<213> Homo sapiens

<400> 263

cccagacagat	gcacttggca	gcaataactt	atgcatacct	gaagaatgac	cctatggtct	60
aagaagaatg	tgtgttcaga	gctccaagct	aaggaaatctg	ggagtggcca	acccagatat	120
ttcattttctt	atctatgacg	aacttctgaa	ctgctcccac	ccccagccca	tcctgtagaa	180
tgcaggccct	acgaggcgat	caaagccctt	tgtttttaggt	taaatgaagg	ttgcctgggtg	240
gaggttgcta	gggaaaggt	gttaagtaaa	aatgttatat	aaactgcatg	gtgttttttg	300
tttgtttttg	tttttttgag	acagagtttt	tgctcttggt	gcccaggctg	gagtgcaatg	360
gtgcaatctc	ggctcactgc	aacctccgcc	tcctggggtc	aagtgattct	gctgtctcag	420
cctcccaagt	agctgggatt	acaggtgccc	accaccaggc	ccggctaatt	ttttgtattt	480
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aattgcatgc	tttttacaag	gagttttggt	tctcctgccc	agcccactgc	cactggactg	660
ccctgtattg	taagtccccct	caataaacct	tatgtctcag			700

<210> 264
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 264
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 caaagcgtcg ggattacagg tatgagccac cacgcctggc caattgcatg ctttttataa 120
 ggagtttttg ttctcctgcc cagcccactg ccactggact gccctgtatt gtaagtcccc 180
 tcaataaaacc ttatgtctca gtttctgggt ctaggtctct tcttcagcct cttgaacatg 240
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 gaaatagctg tttttttggt gccaaaatca ctgtaagaca ttatttgctt cagccccaga 360
 acattgaatt atatgaccca agagtggaga aacagagaag tctgtctgtg tcatcagaca 420
 atatcccaag tgggatgtca tcacccaat gcatattggc atttgggcag agtagagcag 480
 cgtcagccta gcaagacttg gcacaattct gttggattgc acaatagaat gagaaatcac 540
 atttctgctg ttatgtgatt ctgcatttta actccagttt gtttggcctg gacagacagg 600
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 aaaatacttt gaacaactgt ttaaggactt aaatgtccag 700

<210> 265
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 265
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 tctgcatttt aactccagtt tgtttggcct ggacagacag gtaactagcc atgaagacaa 120
 tggaccttga aacattctga agactagaaa aagtatgtaa taaaatactt tgaacaactg 180
 ttttaaggact taaatgtcca gactgtttct ttagatgagt gtaatttcca atgtgaaacc 240
 ccacaattcg gcttcaagag gtacaggaca gtttttgaat tccacagaaa aaattttgca 300
 ttgcaacaaa cttgaccatc ctatttgttg tagtagaaat gtaaattcat tcccctcaga 360
 gatacctgca aaaatgaaat gtgaaatatt ctgcttgcac tttaaagact ggttattgca 420
 ttctagaata gatggaaaag acattagtga gggccaatat agaaatatga gttttcccaa 480
 aagactttta tgtatatata tgacatggca ggaaaatttg gtcactagtg gtttttactt 540
 cttcgttcat ttggcaaaca tatgaataga ctgatgtgtg ccaaactg ttccgagttc 600
 tgggaactga ggaaagaaac aagctatctg ttttcatgga gctcgtattt tacttggagg 660
 atggagaggc tgacaataaa cttgtacaaa taaatacaaa 700

<210> 266
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 <213> Homo sapiens

<400> 266
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 caagctatct gttttcatgg agctcgtatt ttacttggag gatggagagg ctgacaataa 180
 acttgtacaa ataaatacaa acttcaagta gtggaattg ccaaggtgaa agaaaagaga 240
 gtaatggtat agaatgacag tcattgggta gctgctttag atgaatggta agtgaacatg 300
 tttctgagaa agtgatatct gagctgagag gcaaaggacg agaaggaatc tgtcatgtga 360
 agatctggga agcagggtga ctaagcagaa gagcagcaag tacaagact gtgaggtaag 420
 ggatgtgctc ggggtgacta agtaacggag agaagaccag cgtgactaga acatagtgat 480
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 agccaaattg tctagtgcct tgtagatagt ggcaaggagt ttggatttta ttctagatgg 600
 aacactacca gaatatTTTT tcttttttga gacagggtct cactgtcacc caggctggag 660
 tgcagtggca tgatcttgac tctctgcaac ttctgcctcc 700

<210> 267
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 267
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 ttgtagatag tggcaaggag tttggatttt attctagatg gaacactacc agaataatatt 120
 ttcttttttg agacagggtc tctctgtcac ccaggctgga gtgcagtggc atgatcttga 180
 ctctctgcaa cttctgcctc ctgggcttaa gtgatcctca cacctcatct tccccagaag 240
 ctaggactac acgcaccaca cctggctaatt ttttgatatt tttgtagaga tgggattttg 300
 ccatgttgcc caggctgggc ttgaatgctg cccacttttg cctcccaaag tgctaggatt 360
 ataggtgtgg gccaccgtgc ctggcctatc agagtatttt caggcagaga aaagcataag 420
 gtcttacttc tagcataaaa ggaacattct ggctgctata tagagaaggg actgtagagg 480
 acaagaatga aagcagggtg actgattaga aagcattgca gcattatagg caagagctta 540
 tgatggcctg aactagagtg gtaactgtgg aagagataaa tggatgaatt cagaatattt 600
 ttggaggaaa aaggtgacat gatttactat tggatgtggg catgagggaa ggaaattaag 660
 gatgactcct ggatttttag cctgagcaac tttatagctt 700

<210> 268
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 268
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 tgatttacta ttggatgtgg gcatgagggg aggaaattaa ggatgactcc tggattttta 180
 gcoctgagcaa ctttatagct tttcatgttt gtttttgaaa tggggagatt tgatgggggtg 240
 ggggtttggg aaattaagag ttttttattt ttattttttg ctttttaaaa attgtgggtga 300
 aatacacata acataaaaatt taccatttta accactctta agggcattaa gtacattcac 360
 attgtgcaac catcaccatc atccatctgt agagaactct tttcatcttg caaaattgaa 420
 actctgtacc tattaacacac taactcccca ctcccctcct taccctagcc ccgaaaaccc 480
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 ttgtcctttt gtgactcgct tttattgtca cttagcataa tgtcttcaag gttcatccat 600
 gttgtagcat atgtcagaat ttccttcctt ttttaagactg aataatatgc cattatatat 660
 gtatactaca ttttgtttac ccattcatcc actgatggac 700

<210> 269
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 <212> DNA
 <213> Homo sapiens

<400> 269
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 tttccttcct ttttaagact gaataatatg ccattatata tgtatactac attttgttta 180
 cccattcatc cactgatgga cacttgggtt gcttccatct tttgctgtt gtgactaatg 240
 ctgctgtgaa catgtatgta caagtatcta tttgagtact tgcttttaatt tctttgggta 300
 tatacccaga agtggatttg ctggatcatg tggtaattct atgtttaatt tttttaagga 360
 attgccatac tgttttcccc ggtagctgta ccattttaca tttccacca cagtgcacaa 420
 gagttccagt ttctccacgt cctcgccaat acttggtatt ttctgtggtt ttgctgttgt 480
 tgttgttttg tttgtttttg tttttttaca gaagctatcc taatgggtat aaagtggat 540
 ttcatgtggt ttttatttgc atttccctaa ttattaatta tgttgagcat cttttcatgt 600
 gcttattggc aatttatata ttttctttgg agaaatgtct actcaactct tttgcccatt 660
 ttaaaatcag gttttttttt tgttgttgtt gaattgtagg 700

<210> 270
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 270

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gttttttttac agaagctatc ctaatgggta taaagtggta tttcattgtg gttttatattg 60
catttcccta attattaatt atgttgagca tcttttcatg tgcttattgg caatttatat 120
attttctttg gagaaatgtc tactcaactc ttttgcccat tttaaaatca ggtttttttt 180
ttgttggtgt tgaattgtag gagttcttta cataatttggg atatgaacca cttatcagat 240
acatgatttg caaatatttt ctcccattct atgccttttc actattgatt atatcctttt 300
acgcacagaa gttttacatt tttgatgtag cccaattttt ctattttttc ttttgttgcc 360
tgtgcaagag ttttatttta aatgcaattt tgggatgtct attagacatc caagtcaaaa 420
tgtcaaatag acggctggat atatgagtct gaaggtcata aaagagatca gaatgagata 480
taaattaggg aatcattcac atatagatgg tatttaaggc catgggtctg gacagaatca 540
cccaggagag aagtcatata ggaacacata ggtttcccta gggaatacag tcatcttaga 600
gtaaaattcc atcgaaggag atcaggaggt cttggctgag ttaaatttgg ataataaag 660
ttattaacta tgttaatgtg ttctaagcta gatgccagg 700

```

<210> 271

<211> 700

<212> DNA

<213> Homo sapiens

<400> 271

```

catatagatg gtatttaagg ccatgggtct ggacagaatc acccaggaga gaagtcatat 60
aggaacacat aggtttccct agggaatata gtcacttag agtaaaattc catcgaagga 120
gatcaggagg tcttggtcga gttaaatttg gataatataa gttattaact atgttaatgt 180
gttctaagct agatgccagg ttaaggcaga aattaggagg tcttgggcaa gtatcaattt 240
gctctgctat tgtattatta caagaataat actaacaata gtacatgacc tcatttcatc 300
ctcacaatag ctttacgcga ttgatattct tgtcttcaact ttacaggcaa agaaacaaaa 360
gagaagtaaa gtaatttacc cagttgctat agtttagcatg tggtaggtcc atattagagg 420
tctggctctgt ctgcatgatg gtttaatttta tgagatagca agtaaaacat tatttgtgtc 480
tgtgtctgtg tctgtgagga tgtgttcgga gaggttcaca agcatttgaa tcagtagacg 540
gagcaaataa ggtccgcctt caccaatgtg ggcaggcatc atccaattca ctgaggactc 600
ctgctcacac agaacaaaaa gtcagaggat gtgcctatag ttccagcttc ttggaaggct 660
gcggcaggaa gatgctgggg cccaggagtt tgaggccagc 700

```

<210> 272

<211> 700

<212> DNA

<213> Homo sapiens

<400> 272

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atgtgttcgg agaggttcac aagcatttga atcagtagac ggagcaaata aggtccgccc 60
tcaccaatgt gggcaggcat catccaattc actgaggact cctgctcaca cagaacaaaa 120
agtacagagga tgtgcctata gttccagctt cttggaaggc tgccgcagga agatgctggg 180
gcccaggagt ttgaggccag ccagggaac atagtaagac ctttctcttt aaaaaaattt 240
tttttgctg ggtgcagtgg ctcatgcctg taatcccagc actttgggag gccgaggcag 300
gcgatcatg aggtcaggag atcgagacca tcctggctaa catggtgaaa cccgctctct 360
acaaaaata caaaaaatta gccgggctgt gtggtgggca cctgtagtac ccgctactca 420
ggaggctgag gcaggagaat ggagtgaacc ccggaggcgg aggttgcaat gagtggagat 480
tgcaccactg cactccagcc tgggcgacag atcaagactc cgtctcaaaa aaaaaaaaaa 540
tttttttttaa ggcataaggaa gggcaaattc tctcattctc tctcttcttg agctgggaca 600
tccattttct cctgccttca ggaaatcaga gtcctatgtt cttggatctc ccgactctgg 660
gacttacacc ttaccctttt cccctcagtc tttcagactt 700

```

<210> 273

<211> 700

<212> DNA

<213> Homo sapiens

<400> 273

```

ctgggcgaca gatcaagact ccgtctcaaa aaaaaaaaaa ttttttttta aggcatagga 60

```

```

agggcaaatt ctctcattct ctctcttctt gagctgggac atccattttc tcctgccttc 120
aggaaatcag agctccatgt tcttggatct cccgactctg ggacttacac cttacccttt 180
tcccctcagt ctttcagact tggactgaat tacaccatca cctttcctgg ttctccagct 240
tgcagatagc atgtcatggg acttcttagc ctctgtaatc atatgagcca gttcatatag 300
taaatctcct cctattgatc tatacctata tctgtaatcc tattagttgg gtttctttgg 360
aaaactctaa taccctctta tccacagttt tttttttttt ctgcagtttc agttatctac 420
ggccaactgg gtaaaccaaa taggtgagta cagtacaata aaatattttg agagagagat 480
gcacatttgc atgacttcta ttacagcata ttgttataat cattctattt tattagctat 540
tgtagtctc ttattctgca taattttataa attaaatttt atcttaggta cgtatgtatg 600
tatgtatagg aaaaaaccta gtatatatag tgttcagtac tatctgaggt ttcaggaatc 660
ccctggtggt cttggattgt agccccctgc cttcaagcct 700

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<210> 274
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 274
attacagcat attgttataa tcattctatt ttattagcta ttgttagtct cttattctgc 60
ataatttata aattaaattt tatcttaggt acgtatgtat gtatgtatag gaaaaaacct 120
agtatatata gtgttcagta ctatctgagg tttcaggaat cccctggtgt tcttggattg 180
tagccccctg ccttcaagcc tgcactctca attactgatg ctacatctca ttaccctgaa 240
agatgaaatc tagccttgag cccttaccaa ctggctgcat tagatcattt tagatctcca 300
tgtcaccgca gtcacatttg tgtgtggtga atggctcagg agagatggtg ctattcctgc 360
caccttcatt agcctggctt gcattctctt ctgaacactt gggctctatt aacactgtgc 420
caggttctca tatacccaa ataaagaaaa agaaagtaga tggatacagt gtacatacta 480
ggcccaacag aagttatgct tttactccct ttctcttcca atttagatac tactatggcc 540
ctttgcttcc gtctatctca gttccttcgt tgtcttatca ttccattcac ctctactgca 600
aggccctaaa tccaaccatt tggtcactgt actcctacc tgggtcactg gaggaaatca 660
cacaaccatg tgagttggtg tcttgacaca tttacatttc 700

```

<210> 275
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 275
ttttactccc tttcctcttc aatttagata ctactatggc cctttgcttc cgtctatctc 60
agttccttcg ttgtcttata attccattca cctctactgc aaggccctaa atccaaccat 120
ttgggtcactg tactcctacc ctgggtcact ggaggaaatc acacaaccat gtgagttggt 180
gtcttgacac atttacattt ccaatcacaa ttggaccctc agcccacttg ttactctctc 240
aaccatggtt tccttgacac catcaacagc cccctctctt tcttgatatc taagtcagca 300
tcctggattg agagtgaaga gtaaaatggt ttgacttatt gtgagcttag cctttgcaag 360
actagtaaac aaaaggactg gggtagtggc aagagtatga atgggctgga gggatcacia 420
ggtataaact gaaagggaaa ggaaatgata tcagggtgaga gctgaagagt tgggaggaaa 480
acaaaggtcc tagagtgaga tggagctgtt gtgactgatg agaggcccag ggtgtgtcct 540
cagcagcaag agtgtgaagt ataggtgaag gtcaagtact gcgaggctaa ggtgtagcac 600
tactcatctt cctgagcaca aaagtcacca gcacctggg ctgggtgtca gagagctcac 660
agaatgtgga taaccaacca ggcagatgtt ggtaacagca 700

```

<210> 276
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 276
atggagctgt tgtgactgat gagaggccca ggggtgtgtc tcagcagcaa gagtgtgaag 60
tataggtgaa ggtcaagtac tgcgaggcta aggtgtagca ctactcatct tcctgagcac 120
aaaagtcacc agcaccttgg gctgggtgtc agagagctca cagaatgtgg ataaccaacc 180

```

```

aggcagatgt  tggtaacagc  aaccaggagg  gcacagcaca  aacctgagca  ggtcttttat  240
gtatgtgaag  gtgaaggagt  tatgatttag  aaatggcagt  gggaagcaag  gagaatgctg  300
agagcctgct  cagctcttgt  cttccaggat  catggatagt  gcaaaatgag  tagccttctt  360
ttgagagaca  gagccatgag  gctagtggag  tgctcagaaa  gaagccagat  ctctatcaag  420
gaaaggagat  ggagagaaca  accagggatg  tacttgaaaag  aggagagttg  catgtctaca  480
atggaatatg  tgttgcaag  gactcagtca  cagagaagac  aactgcagga  ggggtgagctg  540
gagggctctg  caggggcagg  agcacagtag  ggcattagaa  tgggagtttt  agatgagaag  600
gattacattt  gcagtgtctg  aggaagatca  tctcaagggt  cacaaaatca  agctttaaac  660
ttgtctgtgt  caacagacgg  aggcattggg  tgatagttca  700

```

<210> 277

<211> 700

<212> DNA

<213> Homo sapiens

<400> 277

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ggactcagtc  acagagaaga  caactgcagg  aggggtgagct  ggaggggctct  gcagggggcag  60
gagcacagta  gggcattaga  atgggagttt  tagatgagaa  ggattacatt  tgcagtgtctg  120
gaggaagatc  atctcaagg  tcacaaaatc  aagcttttaa  cttgtctgtg  tcaacagacg  180
gaggcattgg  gtgatagtcc  aaatccccat  aattttttat  aatcctttca  gcagtctgtt  240
aaatataacc  ttggtgataa  gctaagttac  ctcagcatag  caagcttggc  ttggtctaaa  300
tcagggtaga  ggtgattgct  gctcaaagga  agtgagagag  acaccagct  ctggattgga  360
gaacatgact  ttgacctggg  tttcagcctc  cacagggcta  agccccagg  gagcactggg  420
caagttgcta  aggccacaag  caggagttta  taaccaggct  agactaagcc  cactgatgca  480
agaatTTTTT  tttttttttt  ttgagacaga  gtctcactct  gtcacccggg  ctagagtgca  540
gtggtgtgat  cttggctcac  tgcaacctcc  gcttccctgg  ttcaagtgat  tctcctgcct  600
cagcctctca  agtagctggg  attacaggca  cccgctacca  tgcttggtca  aattttgtat  660
tttttttagta  gagacagggt  ttcaccgtgt  tggccaggat  700

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<210> 278

<211> 700

<212> DNA

<213> Homo sapiens

<400> 278

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tttgagacag  agtctcactc  tgtcaccccg  gctagagtgc  agtgggtgtga  tcttggtctca  60
ctgcaacctc  cgcttccctg  gttcaagtga  ttctcctgcc  tcagcctctc  aagtagctgg  120
gattacaggc  acccgctacc  atgcctggct  aaatTTTTgt  tttttttagt  agagacaggg  180
tttcaccgtg  ttggccagga  tggctcttgag  ctctgacct  caagtgatcc  acctgccttg  240
gcctcccaaa  gggctgggat  tactggcttg  agccaccatg  cccagcctga  tgcattgaatt  300
tgcattcttc  atgctcttca  tctatgcttc  tgaagacctg  gcacttagtc  aacactcagt  360
aagtttttat  tttttaactg  ctttatgatt  ataaaagtaa  tatatgaagc  atttgtaaag  420
tatggaaatc  tggaaaaaat  aaaacagaag  tcatctataa  tctgaccatc  caaacatacc  480
tactgttaat  accttagtct  acgttctttc  tttttttcct  ttttttgaga  tggagtcttg  540
ctgtgttgcc  caggtgggag  tacaatggca  tgatttcggc  tcaactgcaac  ctctgcctcc  600
caggttcaag  cagttctcct  gcctcagcct  cccaagtagc  tgggcttaca  ggcattccacc  660
accatgccct  ggtaattttt  gtatttttag  tagagatggg  700

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<210> 279

<211> 700

<212> DNA

<213> Homo sapiens

<400> 279

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tacgttcttt  ctttttttcc  tttttttgag  atggagtctt  gctgtgttgc  ccaggctgga  60
gtacaatggc  atgatttcgg  ctcaactgca  cctctgcctc  ccaggttcaa  gcagttctcc  120
tgcctcagcc  tcccaagtag  ctgggcttac  aggcattccac  caccatgccc  tggtaatttt  180
tgtattttta  gtagagatgg  ggtttcgcca  tggttggccag  gctgggtctca  aactcctgac  240
ctcatgtgat  ctgcccgcct  cagccttcca  aagtgtctagg  attacagggtg  tgagccaatg  300

```

```

cgccctggcct tttttttttt ttaagacagt tttgctcttt ttgcccaggc tgtagtgcag 360
tgggtgtgac ttgggtcact gcaaccagg tcaagtgatt ttctgcctc agccttctga 420
gtagctggga ctacagacgc caccatgccc agctaatttt tttgtatttt tagtagagat 480
gggggtttca ccatattggc caggttgggc tccaactcct gactttgggt gatccgcccc 540
cgttggcctc ccaaagtgtt gggattacag gcatgaacca ctgtgcccag ctgagcctac 600
tttcttctgg tctttttctc atgcctcccc accaccacc cagccccccg ccattacata 660
cgtatatatg tttatttttt ttttaagag atgaagtctt

```

<210> 280

<211> 700

<212> DNA

<213> Homo sapiens

<400> 280

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ccaggttggg ctccaactcc tgactttggg tgatccgccc acgttggcct cccaaagtgt 60
tggtgattaca ggcattgaacc actgtgccc gctgagccta ctttcttctg gtctttttct 120
catgcctccc caccaccacc ccagccccc gccattacat acgtatatat gtttattttt 180
tttttaaaga gatgaagtct tgctctgttg cccaggctgg taggctgatc tcaaactcct 240
ggcttcagggt gatcctcctg tgttggcctc ccaaagtgtt gttgttacag gcataagcca 300
tcacacctgg ctatttttca cgctttaaaa actcaactta ttcattcatt tattcactca 360
ttctttgatt aacactcata tactggtttt attttattat tttatatttt tagctacagg 420
gtctcactct gtgcccagag ctggagtgc gttggcatgat catgactctg caaccccgaa 480
ctcctgggct caagggatcc tcccaactca gcctcccaag aagttaggat tacaggcaca 540
tgctaccaca ccttgctaata ttttttaaat taattttttt cttccttttt tttttttttt 600
tttttttgta gaaccagtgt gtgttaggac attcttgcac tactataaag aaatacctga 660
gactgggtaa tttattaaga aaagaggttt aattgactca

```

<210> 281

<211> 700

<212> DNA

<213> Homo sapiens

<400> 281

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ctcccaactc agcctcccaa gaagttagga ttacaggcac atgctaccac accctgctaa 60
tttttttaaa ttaatttttt tcttcctttt tttttttttt ttttttttgt agaaccagtg 120
tgtgttaggc cattcttgca ttactataaa gaaatacctg agactgggta atttattaag 180
aaaagagggt taattgactc acgatttcac aggcctgtata ggaagtgtgg cactaggcat 240
ctgctcagct tctagggagg cctcagggag cttttactca cagtgggaag tgaaggggga 300
gcagggtgtg cacatggtaa agacaggagc aaggtggggg gaggtgccac acccttaaac 360
aaccagattt ctcaagaact cacttattat ggtggggaca gctccaagcc atgagggatc 420
tgcccccatg accaaaacac ctcccagcag gccccacctc caacattaga gattacattt 480
ccacatgcga ttgggacagg gataaatatc cagactatgt cattttgccc ctggccctcc 540
taaattctcat gtccttctca agttgcaaaa tacaatcatg ccttcccaag agttccccaa 600
agtcttaact cattccaatg ttaactccaa agcccaaaat tcaaagtctc atctgagaca 660
aggcaagtct cttccaccta tgagcctata aatcaaaaaa

```

<210> 282

<211> 700

<212> DNA

<213> Homo sapiens

<400> 282

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ggataaatat ccagactatg tcattttgcc cctggccctc ctaaatctca tgtccttctc 60
aagttgcaaa atacaatcat gccttcccaa gagttcccca aagtcttaac tcattccaat 120
gttaactcca aagcccaaaa ttcaaagtct catctgagac aaggcaagtc tcttccacct 180
atgagcctat aaaatcaaaa acaagctata tacttccaag ttacaatggg tgtataggca 240
ttgggtaaac atgcccattc caaaagagaa attggccaaa agaaaggggc tacaagctcc 300
atgcaaatc aaaaccagc agggcaatta ttaaattgta aagctccaaa gtaatcttct 360
ttgactccgt gtcccatatc cagggtctac tgggtcaaga agtgggctcg caaggccttg 420

```

```

ggaagcttcg cccctgtagt ttgcatagta cagcctccac agctgctctt atgggctaga 480
gttgagtgcc tgtggctttt ccaggcacag ggtgcaagct gccagtggat ctaccattct 540
cagggtctgga ggggtggtgac ccctttctca cagctccacc aggcagttcc ccagtggaga 600
ctgtgtgggg ccttcaaccc cactttccc ctccaaactg ccctagtagg ggttctctgt 660
gagggttcca cccctacagc aggcttctgc ctgggtaccc 700

```

```

<210> 283
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 283
tccaggcaca ggggtgcaagc tgccagtgga tctaccattc tcagggtctgg aggggtggtga 60
cccctttctc acagctccac caggcagttc cccagtggag actgtgtggg gccttcaacc 120
ccacatttcc cctccaaact gccctagtag gggttctctg tgagggttcc acccctacag 180
caggcttctg cctgggtacc ctggctttct tgtacatcct ctgaaatcta ggtagaggct 240
gccaagcctc cttcactctt acagtctgca tgcctgcatg cttaacacca catggaagct 300
gccaagcat atggcttttg ctctttggag cagcagcctg agctgtacct gaggccctt 360
gagccacagc tggagctgga acagcctgga tgtagggagc actgtcctaa ggaggctgtg 420
cagagccatg gggtcctagg cctagcccat gaaatgattc ttctcctag gtctctgggc 480
ctgtgcctgt gatggcaagg gctgccccctg agatctctga aatgccttca aggcctttt 540
ccattgtct tagctattag tacctggctc tcttttagtt attcaaattt ctctagcaag 600
tggttgctcc acagcctgct tgaattctc tactgaaat gcttctgctt tctctatcac 660
atggccaggc tgcaaatttt ctaaagtttt acactctgct 700

```

```

<210> 284
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 284
ggctgccccct gagatctctg aaatgccttc aaggcctttt tcccattgtc ttagctatta 60
gtacctggct ctcttttagt tattcaaatt tctctagcaa gtggttgctc cacagcctgc 120
ttgaattcct ctactgaaaa tgcttctgct ttctctatca catggccagg ctgcaaattt 180
tctaaagttt tacactctgc ttccccctta aatataactt ctaactttta gtcatttttt 240
ttgctctcac atctgagtta agctgttaga tgcagccatg taacttcttg aacactttgc 300
tgcttagaaa ttctctctgc cagataccct agttgtcact ctgaagttca aacttccaca 360
gatccttaca gcatgaacaa agtgcagcca agttctttgc taggcataa tgagggtggc 420
ctttgctcca ttctaggtt cctcatttcc atctgagacc tcatcagcca cgccttctc 480
ttccatatca ccatcagcat tctggttaca accatttgac cagccaagta ctattctaac 540
ttctgagaat acagaagtgc tcctcatgga acttacagtc tagtggagga agaaggacaa 600
taaatagaac aaagaagtaa attagtcagg atgtcagaga gtgataagtc ccatggagaa 660
aaatgaagca ggagaaaaat gaagcagggg tgcataaagt 700

```

```

<210> 285
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 285
ttctggttac aaccatttga ccagccaagt actattctaa cttctgagaa tacagaagtg 60
ctcctcatgg aacttacagt ctagtggagg aagaaggaca ataaatgcaa caaagaagta 120
aattagtcag gatgtcagag agtgataagt cccatggaga aaaatgaagc aggagaaaaa 180
tgaagcaggg atgcataaag ttagttcaga gagagaacag gatacaattt taaatagtgt 240
ggtcagataa gggtttatta aggaggtggc atttgggcca agacactaag gaagtaagag 300
aacaagctat gtagatagct gggaagagca ttcttaggaa gagggaacaa gtatctaata 360
gagaagcatg tctagtatgt tcaaagaata gcaaagcctt ggtagcctta atgaagaaag 420
caatggagag agtaataaga gatgatgtca gcgagctaaa ggaggggcatg aagattagag 480
tagggcccta taaactggat gaccactgtc aaatgaaatt aaggctgttg aggcagaaat 540

```



```

gatttgataa aagtttattg gaagccaaat gtgaggatga acccaggaaa acacaccaac 600
aaagttgaga gtgttctgga gtctgttaca agttggaaaag ttagaagaca ggaggggggac 660
tcttcataca ggagttgtcc tttttcactg gaggggtacaa 700

```

<210> 286

<211> 700

<212> DNA

<213> Homo sapiens

<400> 286

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tgaccactgt caaatgaaat taaggctggt gaggcagaaa tgatttgata aaagtttatt 60
ggaagccaaa tgtgaggatg aaccaggaa aacacaccaa caaagttgag agtgttctgg 120
agtctgttac aagttggaaa gttagaagac aggaggggga ctcttcatac aggagttgtc 180
ctttttcact ggaggggtaca atacaaagggt tacaataatt ggctacagat tgcaacatgc 240
agactaacat gtctacatgc aagacaatca gtaaaatggt atgactcaga aataaatcag 300
tgtccttttc agtgtcagta ggtggtgcat tgatcagtac atcaacaatt tgaggaactt 360
ctaagattcc ttactcagga caaggatcg ccatgaatca caagaccttc ccaagatggg 420
ttaatttggg agctgtttac ttttaaagta aactgtcaaa tgtgacctgt aggttattgc 480
catatataat ttgtcatcca aattaggaga cttctagaat gaaagttgga ggtgaggggt 540
attaatcatt aacactaggg ctggttgccg tggctcacgc ttgtaatccc agtactttgg 600
gaggctgagg caggcagatc acgaggtcag gggattgaga ccatcctggc caacatggtg 660
aaaccccggt ctctactaaa aaatacaaaa aaaaaaaaaa 700

```

<210> 287

<211> 700

<212> DNA

<213> Homo sapiens

<400> 287

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aaattaggag acttctagaa tgaaagttgg aggtgaggggt tattaatcat taacactagg 60
gctggttgcc gtggctcacg cttgtaatcc cagtactttg ggaggctgag gcaggcagat 120
cacgaggtca ggggattgag accatcctgg ccaacatggt gaaaccccggt tctctactaa 180
aaaatacaaa aaaaaaaaaa atttagctgg gcatggtggc acatgcctgt aatcccagct 240
actcagaagg ctgaggcagg agaattgctt gaaccaggga gtcggagggt gcagtgaact 300
gagatcatgc cactgcactc cagcctggca acagagcgag actccgtctc aaaaaaaaaa 360
aaaaaaaaag ttaacactag ttcaagtggg agaagccagg actgtgctgg acaaactctg 420
acgtgtaatc attctactta tagaccattg taaggacttg ggctttcaaa aaatctgact 480
gagatgggaa gcgattggaa ggttttgagc agaaaagtaa catgatgtga ttgagatata 540
cctgactact atgctgagag tagattgaag gggcgtagga gcagccttaa tgaagaagga 600
ttggctgggg gctaacagaa tgcaggggaa aaactggatt ctgcatatgt tgaaattatg 660
gcaaaagatt ttattgacag attggatgtg gagtacaaga 700

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<210> 288

<211> 700

<212> DNA

<213> Homo sapiens

<400> 288

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aggttttgag cagaaaagta acatgatgtg attgagatat cctgactac tatgctgaga 60
gtagattgaa ggggcgtagg agcagcctta atgaagaagg attggctggg ggctaacaga 120
atgcagggaa gaaactggat tctgcatatg ttgaaattat ggcaaaagat tttattgaca 180
gattggatgt ggagtacaag aggaagagca gccaggaaaa taaagtttcc atttactgag 240
ttggggagga cttcaggaag agcagatttg ggatgaaatt aggagcacat gttaaatttg 300
acatgttatg tttgagacac ctattatata tccaagtggg gatatacaagt gggcagttat 360
tatgtgagcc tggagtccac tctctctatg tgttggtggg catcagtgcg gagatgatat 420
ttaaatcatg agactggatt ttttaaaaag gaagaggact gaagactaag ttctgggcac 480
tccaattttg ggcagtagcg gagatgaaga aaaaccagca cactagatgg taaaggagca 540
gccaacaagg taagaggaaa accaagcaag tgatcatttt gttgattttt ttgatacaga 600
gtctcactct gtcactcagg ctggagtgcg atgacacaaat ctcggctcac tataacctct 660

```

gccttctggg tccaagtgtt tttcttgccct cagcttccca

700

<210> 289

<211> 700

<212> DNA

<213> Homo sapiens

<400> 289

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ggagatgaag aaaaaccagc acactagatg gtaaaggagc agccaacaag gtaagaggaa 60
aaccaagcaa gtgtcatttt tgttgatttt tttgatacag agtctcactc tgtcactcag 120
gctggagtgc aatgacacaa tctcggctca ctataacctc tgccttcttg gtccaagtgt 180
ttttcttgcc tcagcttccc aagtagctgg gactgcagggt gtgtgccacc acgcctggcg 240
caagtgtcat gtagaaagca gttcaaggat gactattgaa ttcagaaaca tgcaggtcac 300
agagggtcagg taagatgatg actgtgaatt gactattgaa ttcagaaaca tgcaggtcac 360
tgcggtacctt gatagagggt ctctggtgaa aggtgagggc taaagcttaa ttgtagtggg 420
gccaaagtga aattggaaga acaaagtga agtagcaag tagatatagc aatcttccaa 480
ggagtttcac tgctaaggga caggagagaa tggggcagga gctgacagca gaaactgggt 540
caagagagag cttttacagc ctctttgcat actgaatggg aaagatccag tagagaggga 600
aaagatttat gatgggggag tcaggagaat tgctagagca acatgtgctc ctaatttcat 660
cccaaactcg ctcttctctga agtcctcccc aactcagtaa 700

```

<210> 290

<211> 700

<212> DNA

<213> Homo sapiens

<400> 290

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acagggagaa atggggcagg agctgacagc agaaactggg tcaagagaga gcttttacag 60
cctctttgca tactgaatgg gaaagatcca gtagagaggg aaaagattta tgatggggga 120
gtcaggagaa ttgctagagc aacatgtgct cctaatttca tcccaaactc gctcttctg 180
aagtcctccc caactcagta aatggaaact ttattttcct ggctgctctt cctctcgtac 240
tccacatcca atctgtcaat aaagtctttt gccataattt caacatatgt agaatccagt 300
ttcttgccctg tattctgtta gccccagcc aatccttctt cattaaggct gctcctacgc 360
cccttcaatc tactctcagc atagtagtca gggctatctc aattacatca tgttactttt 420
ctgctgttggt taagggagta ggggggtggg gaggggtaag aagtatataa ggctggggcc 480
gggcacagtg gctcacacct ataatcccag cactttggga ggctgaggca ggccaatcac 540
ttgagcccag gagttcagta ctagcctagc caacatggca aaaccctgtc tctactaaaa 600
atacaaaaat tagctgggta tgggtggtgca tgctgtaat cctagctact tcggaggctg 660
aggcatgaga atcgtttgaa cctgggagggc agaggttgca 700

```

<210> 291

<211> 700

<212> DNA

<213> Homo sapiens

<400> 291

```

tataatccca gcactttggg aggctgagggc aggccaatca cttgagccca ggagttcagt 60
actagcctag ccaacatggc aaaaccctgt ctctactaaa aatacaaaaa ttagctgggt 120
atggtgggtgc atgcctgtaa tcctagctac ttcggaggct gaggcagtag aatcgtttga 180
acctgggagg cagaggttgc agtgagccac tgactccag cggggaggag agaccattca 240
ggagaaaacg gagaaaagac agagggtgtg ggtacagatg gagttaggct ggtggattat 300
gctgcttgta gaggttctct ccattgcttc tattttctag gtgaaatagg aagccaaggc 360
acagctgagg gtgatcatgg gggaggaggt gatggagttc tgaagagaaa gaaggtcttc 420
caggatagag aatgaaccag ggcaattagg atcctcttga agtcactgat ggtcagttta 480
aagtgaacc agtcagatgg aatataattt ccatctacat ttggctatgc aggtgctagc 540
aagaagtagg agggagggtta gatttaacca gctttatagt ttcccacaaa agcaaggcag 600
ataagaaagg ggcaaggaag atgattatga tgattaagca tggaatttaa gctggccaag 660
aaggggtgtg aggacatgag taagatgaga gatagcaaaa 700

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<210> 292
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 292
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 agatttaacc agctttatag tttcccacaa aagcaaggca gataagaaag gggcaaggaa 120
 gatgattatg atgattaagc atggaattta agctggccaa gaaggggtgt gaggacatga 180
 gtaagatgag agatagcaaa aacgtggaca tctttgcccag gtatggagcc aaacacagta 240
 tgcattgtct catgtaatcc ccacccaaat ggaattgtta tcatccctct ttacagatga 300
 agaagctgag ttttagggaa gactgtaact tgctcaaagt cacacagctg atagagaagt 360
 gacacaccca gcatcaggtc ctggaacact tgtctccaaa ggctatgtac ttagccctat 420
 ttgctttaac tggagtatta gtgggcatta caaaaattga tgcataatga caaaggatgg 480
 taattttgtc cagtattgtt ttgttaatac ttttccaact tgagttaatt ttaagatttt 540
 ctgttgatga gaattcttta aaagtttata gtaaaatcta tttatcttca atttcctatt 600
 catcttaaaa ttaaatgtca cctatatatt cttctagctt ttgatttatt tactcttggc 660
 tctattttat ttacatttat tacatttggc tctttagttg 700

<210> 293
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 293
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 aaaagtttat agtaaaatct atttatcttc aatttcctat tcatcttaaa attaaatgtc 120
 acctataatt tcttctagct tttgatttat ttactcttgg ctctatttta ttacatttta 180
 ttacatttgg ctcttttagt gatcaggaat taatttggta tgtggtttat ggtgggatac 240
 tatttattcc cccagttttt ccattttttac cagttcttca gcttgctgat tgcctcagca 300
 ccagtcttca acaatgtatc attttcttga taatttataa ttcattcttta tcatatgtta 360
 caatttttca acacttgggt ctgtttctgt gatacctctt ctatttcgtt gattgattta 420
 tcttttgtgt gtgtgtctgt gtgtgtgtgt gtgtgttgt gtgttttcca ggaaaccag 480
 agtagtgtag tcattgtgtg tttttatata tgtaagagaa catttcccct tatcaatgat 540
 ctttttcaaa aatttcttaa acatattaca tatttctttt ttcagatgct ctttacaaat 600
 attttttaac ttcttaaaat atctcattga ggattccgtt ccaagatggc caaataggaa 660
 cagctctggg ctgcagctcc cagtgtgatc gacgcagaag 700

<210> 294
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 294
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 aacatattac atatttcttt tttcagatgc tctttacaaa tatttttttaa cttcttaaaa 120
 tatctcattg aggattccgt tccaagatgg ccaaatagga acagctctgg tctgcagctc 180
 ccagtgtgat cgacgcagaa gacggatgat ttctgcattt ccaactgagg tacctgggtc 240
 atcttactag gactggtttg acagtgggtg cagcccacgg aggggtgagcc gaagcagggc 300
 agggcatcgc ctcacctggg aagcgcaagg agtcagggga tttccttttc ctagccaagg 360
 gaagccgtga cagatggtac ctggaaaaac gggacactcc tgcccaaata ctgcgctttt 420
 ccaaagtctt agcaaattgc acaccaggag attatatcct gtgcctggct cgacagatcc 480
 tatgtccatg gagccttgc cactgctagt gcaacagtct gagattgacc tgcaaggcag 540
 caacctggca tggggagggg catccgccat tgctgaggct tgagtaggta aataaagtgg 600
 ctgtggaagc tcgaactggg tggagccac cacagctcag caaggctgac tgcctctgta 660
 gtctccacct ctggggcagg gcatagctga acaaaaagca 700

<210> 295
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 295

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tcaactgctag tgcaacagtc tgagattgac ctgcaaggca gcaacctggc atgggggaggg 60
gcatccgcca ttgctgaggc ttgagtaggt aaataaagtg gctgtggaag ctcgaactgg 120
gtggagccca ccacagctca gcaaggctga ctgcctctgt agtctccacc tctggggcag 180
ggcatagctg aacaaaaagc agcagaaact tctgcagact taaacatccc tgtctgacag 240
ctctgaagag agcagtgggt ctcccaggat ggtgttttag cttgggagaac agacagactg 300
cctcctcaag tgggtccctg acccccatgt agcctaactg ggagacacct cccagtagcc 360
gactgacacc tcatacaggc aggtgccccct ctgggatgaa gcttccagag gaaggatcac 420
tcagcaatat ttgctgttct gcaatatattg ctgttctgca gcctctgatg gtgataccca 480
ggcaaacagg tctggagtag acctccagca aactccaaca gacctgcagc tgagggacct 540
cactggtaga agggaaaacta acaaacagaa agaaatagca tcaacatcaa caaaaaggac 600
atccacacca aaaccccatc tgtaagttac caacatcaaa gaccaaaggc agataaaacc 660
acaaagatgg ggagaaacca gagcagaaaa gctgaaaatt 700

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<210> 296

<211> 700

<212> DNA

<213> Homo sapiens

<400> 296

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gacctccagc aaactccaac agacctgcag ctgagggacc tcactggtag aaggaaaact 60
aacaacacaga aagaaatagc atcaacatca acaaaaagga catccacacc aaaaccccat 120
ctgtaagtta ccaacatcaa agaccaaagg tagataaaac cacaagatg gggagaaacc 180
agagcagaaa agctgaaaat tctaaaaacc agagcacctc ttctcctcca aaggatcaca 240
actccttgcc agcaatggaa caaagctggg tggagaatga ctttgacgag ctgacagaag 300
tggacttcag aaggtcagta ataataaact tctcccagct aaaggaggat gttctaacc 360
atcgcaagga agctaaaaac cttgaaaata gattagacga atggctaact agaataaaca 420
gtgtagagaa gaccttaaat gacctgatgg agctgaaaac catggcacga gaactttgtg 480
acacatgcac aagcttcaat agccgattcg atcaagaaag gatatcagtg attgaagatc 540
aattaatga aataactcaa gaagattaga gaaaaaagag taaaagggaa cgaacaaagc 600
ctccaagaaa tatgggacta tgtgaaagac caaatctacg tttgattggt gtacctgaaa 660
atgacagggg gaattggaacc aagttggaaa acactcctca 700

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<210> 297

<211> 700

<212> DNA

<213> Homo sapiens

<400> 297

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tagccgattc gatcaagaaa ggatatcagt gattgaagat caaattaatg aaataactca 60
agaagattag agaaaaaaga gtaaaaggga acgaacaaag cctccaagaa atatgggact 120
atgtgaaaga ccaaatctac gtttgattgg tgtacctgaa aatgacaggg agaattggaac 180
caagttggaa aacactcctc aggatattat caaggagaaac ttccccaact tagcaaagca 240
ggccaacatt caaattcagg atatacagag aatgccacaa agatactcct caagaagagc 300
aaacccaaga cacataattg gcagattcac caaggttgaa atgaaggaaa aaatgttaag 360
cgcagccaga gagaaaggctc gggttacgca caaagggaag cccatcagac taacagcgga 420
tctctcggca gaaaccctac aagcccgaag agagtggggg ccaatattca acattcttaa 480
agaaaagaat tttcaacca gaatttcata tccagccaaa ctaagcttca taagtgaaga 540
ataaaatcct ttccagacaa gcaaagtctg agagattttg tcaccaccag gcctgcccta 600
aaagagctcc tgaagggaagc actaaacatg gaaaggaaaa accggtacca gccactgcaa 660
aatatgccca aattgtaaag accatcgatg ctatgaagaa 700

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<210> 298

<211> 700

<212> DNA

<213> Homo sapiens

<400> 298

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agaatttcat atccagccaa actaagcttc ataagtgaag aataaaatcc tttccagaca 60
agcaaagtct gagagatttt gtccaccacca ggcctgccct aaaagagctc ctgaagggaag 120
cactaaacat ggaaaggaaa aaccgggtacc agccactgca aaaatatgcc aaattgtaaa 180
gaccatcgat gctatgaaga aactgcatga actaacaagc aaaataacca gctaaccatca 240
taatgacagg atcaaattca cacataacaa tattaacctt aaatgtaaat gggctaaatg 300
ccccaattaa aagacacaga ctggcacaatt ggataaagag tcaagaccca tccgtgtcct 360
gtattcagga gacccatctc acgtgcagag acacacatag gctcaaaata aagggatgga 420
ggaagatcta ccaagcaaat ggaaagcaga aaaaagcagg gggtgcaatc ctagtctctg 480
attaaacaga ctttaaacca acaaagatca aacgggacaa agaaggccat tacataatgg 540
taaagggatc aattcaacaa gaagagctaa ctatcctaaa tatatatgca cccaatacag 600
gaacaccagc attcataaaa caagtcctta gagacctaca aagaaactta gactcccaca 660
caataataat gggagacttt aacacccccac tgtcaatatt 700

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<210> 299

<211> 700

<212> DNA

<213> Homo sapiens

<400> 299

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aacaagatc aaacgggaca aagaaggcca ttacataatg gtaaagggat caattcaaca 60
agaagagcta actatcctaa atatatatgc acccaataca ggaacaccca gattcataaa 120
acaagtcctt agagacctac aaagaaactt agactccac acaataataa tgggagactt 180
taacacccca ctgtcaatat tagacagatc aatgagacag aagggttaaca aggatatcca 240
ggacttgaac tcagatctgc accaagcaga cttaatagac atctacagac ctctccaccc 300
caaatgaaca gagtatacat tcttctcagc accacatcac acttattcca aaattgacca 360
catagttgga agtaaaagcac tccttagcac atgtaaagga acagaaatca caacaaaactg 420
tgtctcagac cacagtgcaa tcaaattaga actcaggatt aagaaactca ctcaaaaactg 480
cacaactgca tggaaactga acaatctgct cctgaatgac tactgggtaa ataacgaaat 540
gaaggcagaa ataaagacgt tctttgaaaa caatgagagc aaagacacaa cgtgccagaa 600
tctctggaac acacttaaag cacggtatat agggaaattt atagcactaa ataccacaaa 660
gagaaagcag gaaagatcaa aatcaacacc ctaacatcat 700

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<210> 300

<211> 700

<212> DNA

<213> Homo sapiens

<400> 300

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aacaatctgc tcttgaatga ctactgggta aataacgaaa tgaaggcaga aataaagacg 60
ttctttgaaa acaatgagag caaagacaca acgtgccaga atctctggaa cacacttaaa 120
gcacgggtata tagggaaatt tatagcacta aataccacaa agagaaagca ggaaagatca 180
aatcaacac cctaaccatca taattaaaag aactagagaa gcaagagcaa acaaattcaa 240
aagctagcag aaggcaagaa ataactaaga tcagagcaga actgaaagag atagagacac 300
aaaaacttca aaaaaatcaa cgaatccagg agctcgtttt ttgaaaagat caacaaaatt 360
gatagactgt tagcaagact aataaagaag aaaagagaga agaatacaat cgatgggtata 420
aaaagtgata aaggggatgt caccaccaat cccacagaaa tacaaaactac catcagagaa 480
tactataaac acctctacac aaataaacta gaaaatctag aagaaatgga taaattcctg 540
gacacatata gcctcccaag actaaaccag gaagaagttg aatctctgat tagaccaata 600
acaggctctg aaattgaggc agtagttaat agcccaccaa ccaaaaacag tccaggacca 660
gacagattca cagccaaatt ctaccagagg tacagaggag 700

```

<210> 301

<211> 700

<212> DNA

<213> Homo sapiens

<400> 301

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caaataaact agaaaatcta gaagaaatgg ataaattcct ggacacatac agcctcccaa 60

```

```

gactaaacca ggaagaagtt gaatctctga ttagaccaat aacaggctct gaaattgagg 120
cagtagttaa tagcccacca accaaaaaca gtccaggacc agacagattc acagccaaat 180
tctaccagag gtacagagga gctgggtacca ttctttctga aactattcct agcaatagaa 240
aagagggaat cctccctaatt tcatttttatg aggccagcat catcctgata ccaaagcctg 300
gcagagacac aacaaaaaaaa agagaggccg ggcgcggtgg ctcacgcctg taatcccagc 360
actttgggag gccgaggcgg gtggatcatg aggtcaggag atcgagacca tcttggttaa 420
caaggtgaaa ccccgctctct actaaaaata caaaaaaatt agccggggcg ggtggcgggc 480
gcctgtagtc ccagctactc gggagggtga ggcaggagaa tggcgtgaac ccgggaagca 540
gagcttgtag tgagccgaga ttgcgccact gcagtcgcga gtccggcctg ggcgacagag 600
cgagactccg tctcaaaaaa aaaaaaaaaa agagaatttt ataccaatat ccctgatgaa 660
catcgatgca aaaatcctca ataaaatact ggcaaaccga 700

```

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<210> 302
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 302
cgggaggctg aggcaggaga atggcgtgaa cccgggaagc agagcttgca gtgagccgag 60
attgcgccac tgcagtcgcg agtccggcct ggcgcagaca gcgagactcc gtctcaaaaa 120
aaaaaaaaaa aagagaatttt tataccaata tccctgatga acatcgatgc aaaaatcctc 180
aataaaatac tggcaaacgg aatccagtag cacatcaaaa agcttctcca ccacgatcaa 240
gtgggcttca tccctgggat gcaaggctgt ttcaacatat gcaaatcaat aaacataatc 300
catcacagaa acagaaccaa tgacaaaaac cgcttgatta tctcaataga tgcagaaaag 360
gccgtcgaca aaattcaaaa gcccttcatg ctaaaaactc tcaataaact aggtattgat 420
agaacgtttc tcaaaataat aagagctata tatgacaaac ccacagccaa tatcatgtgg 480
aatgggctaa agctgttgac ctgatagata tgggttcaag aggacacagc tgaatactgt 540
gcttaggaaa agaacagttt caaaggcttt ccagattgtc agatttgatg atatcctcct 600
tgggtgcacac ctctcttggc tatggggcac ataaaccacc tctaccaatc taactgggtt 660
gtgcagtttt tctgattttg tatctaccgg caaaatatat 700

```

```

<210> 303
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 303
cctgatagat atgggttcaa gaggacacag ctgaatactg tgcttaggaa aagaacagtt 60
tcaaaggctt tccagattgt cagatttgat gatatcctcc ttggtgcaca cctctcttgg 120
ctatggggca cataaaccac ctctaccaat ctaactgggt tgtgcagttt ttctgatttt 180
gtatctaccg gcaaaatata tcttaagcca tttttaggaa acaggagggt tagtcacgtg 240
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gctgaaactg tagctaggag ctgccttgct gccttcttgc aggcagattg gccagatgag 360
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tctttgtctc agttcttgtc atagagttcc ccaaaccctt agaacttcct gagtggtagg 480
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aggttactta atgtggggcc ctagatatcc ttaggatggg gctagttccc ggaaagacca 600
ggtcatttga ggattagagg gttggaactt ttagctctac ccactgatct ctgggtgggg 660
aaggtgctgg agatcaagct gcctaaaaac tcttgaacaa 700

```

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<210> 304
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 304
tgagcccctt tgattcgata actcctgagt ttatgctaag gaggttactt aatgtggggc 60
cctagatatt cttaggatgg ggctagttcc cgaaaagacc aggtcatttg aggattagag 120
ggttggaact tttagctcta cccactgatc tctgggtggg gaaggtgctg gagatcaagc 180

```

```

tgcctaaaaa ctcttgaaca acaagatttg aggagcttcc agtaaatgcg tccacaagct 240
gggagggcac tgcacccag tttcactggg acagaagctc ttgcacttgg aatctttcca 300
gacctagccc ttcattgctgc ttcattctggc tgttcatctg tatcctttat aataaattgg 360
caaattgtaaa ggtttagctg aatttggtga gcctttctag aaaattaatt gaacctaaaga 420
aggggtctgt ggaaaccctg gtttgtagtt ggtaggtcag aggtgcgtgt ggcttggatg 480
ttcgaatggc atctgaagag ggacagagca cacaacctgt gggatctgac actatctccc 540
cgcagatagg gtcagagctt aattctatta gagaacaccc cattgggtatc tgctggagaa 600
ttacttgggtg tatgagaagc cccccaccac atctgggtcac agaagtattg tgggttgagt 660
gtgacagtac agggtaaaaa gtgggtttgtt ttttctctca 700

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<210> 305

<211> 700

<212> DNA

<213> Homo sapiens

<400> 305

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gggacagagc acacaacctg tgggatctga cactatctcc ccgcagatag ggtcagagct 60
taattctatt agagaacacc ccattgggtat ctgctggaga attacttggg gtatgagaag 120
ccccccacca catctgggtca cagaagtatt gtgggttgag tgtgacagta cagggtaaaa 180
agtggtttgt ttttctctct aacagtgatc actccctctc aaaggagtgt ggaaggtttt 240
ctggatagga atactgcata taatcatttg gttcacttca gaaactacta taattttgac 300
tgtgctggtt cacttccaca tgtacaaaca cacacacata cacacacatt gttgtcacct 360
aatatttgcg ttaatacaat gatgttattt ttatttggat agtatttcta tgattggaaa 420
tgagtgttaa tctttatatg tattttacca gtccttgact aacatgtttt caagacatct 480
taccaatcca tttcattgaa ttaattgagta aggagactct ctagaaatgg ttggtttcta 540
aagcaaggac attatctgga agaattcatc agagtttact gtatgacgag catttcttga 600
tagcaagggt cattttgggt tcaatcggtt cagtcagtc atttcagtgg gaacaacgaa 660
tttctccaca ggggtcttatt tttctgtttt tcacttcacc 700

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<210> 306

<211> 700

<212> DNA

<213> Homo sapiens

<400> 306

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attaatgagt aaggagactc tctagaaatg gttgggttgt aaagcaagga cattatctgg 60
aagaatcatc cagagtttac tgtatgacga gcatttcttg atagcaagggt tcattttgggt 120
gtcaatcggt acagtcagtc catttcagtg ggaacaacga atttctccac aggggtcttat 180
ttttctgttt ttcacttcac caaatggggg agatattttt tcagaatgca gttattagaa 240
ccttgggatt ttcttctgtc tccattgagt ctcttggttt tttcccagat ctgaacctga 300
aaataaaata gatgctaagg aaaattaaat attcaagact ttctctctca aaatgctcca 360
tccaaattga cattgaaaaa tatttctcca atcaatgaac aagtaactat ttgaactcta 420
atgagaacct catggtgtag atctaattt ttatgctttt aaacatctga ggctactttc 480
ttaattaagc atagaagcca gaatttaaac tctttcacag ttttcccaag caaaggatag 540
agagggaggc atgaaattct tggcaattaa agttgatact gaagtagttc tatcattaga 600
agaaaacaac ttatcaacaa tgggcacttt ttgctataaa tgttctgtca gggatcagaa 660
ttaattcata tgcagagtta cctttatcaa ggccaggcac 700

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<210> 307

<211> 700

<212> DNA

<213> Homo sapiens

<400> 307

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agaatttaaa ctctttcaca gttttcccaa gcaaaggata gagagggagg catgaaattc 60
ttggcaatta aagttgatac tgaagtagtt ctatcattag aagaaaacaa cttatcaaca 120
atgggcactt tttgctataa atgttctgtc agggatcaga attaattcat atgcagagtt 180
acctttatca aggccaggca ctgggaacac tttatctttt ataacctcaa aatagccgta 240
tgaaatatcc catatagcag atgggaatac tgaagcttag tgaatattaa gtgatatgcc 300

```

```

caaatttttg cagtagattt gggattttaa gccaggcagt gttactcgaa actctaaact 360
tctcctaaat accactaatc ttttaaattg ttgctgtggg gtcataaaaa gatactgggtc 420
tttgtccctg gctcctaaca tagagatcct aaatctctta taatttctgg agtgataggg 480
agtgataaaa gcttcttttg ttctaattgag gcaacccttg gctgggccct tagatagctt 540
caggggtggg gctgggtcacc agaagactaa gcctggatta gaagcctgga acctctgggg 600
agaggagaga ggctggggat agacttaata atccatcatg ccaacatgac taaacctcca 660
tgaaaacctc taaatgatgg ggtttggaga acttccgagt

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<210> 308

<211> 700

<212> DNA

<213> Homo sapiens

<400> 308

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gttctaataa ggcaaccctt ggctggggcc ttagatagct tcaggggtgg ggctgggtcac 60
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tagacttaat aatccatcat gccaacatga ctaaacctcc atgaaaacct ctaaattgatg 180
gggtttggag aacttccgag ttggtgacca catccacatg ccaggagggc agtgcacctt 240
aactccgtag ggacagaacc tctgcaactca ggacccttcc agacctctct gtatgtacct 300
cttcatctgg ctgttcattt gtatcctttg taagaaaccg ctagtggcca gtgttctgag 360
tgctgtgagt cattctagca aataatcaaa cccaaggagg ggatttggtg gaaccccaga 420
cttggttagc aagtcagaga gaaatgtggg taacctgggg acctgacatt tgtgagtggc 480
aagtgaagca aggcagtatt gtgggactga gtctttacac ctgtggagtc tgatgctaaa 540
tttaggtatt gtcaaaattg aactgcatta taggacactc aataggtgtc agaattgggt 600
tgctcaaga agaaaaaccc ttgcgcaatc tcataagcca aaaaaagatg ttgaattggt 660
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```

<210> 309

<211> 700

<212> DNA

<213> Homo sapiens

<400> 309

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tgtgggactg agtctttaca cctgtggagt ctgatgctaa atttaggtat tgtcaaaatt 60
gaactgcatt ataggacact caataggtgt cagaattggg ttgcgtcaag aagaaaaacc 120
cttgcgcaat ctcataagcc aaaaaaagat gttgaattgt tttatttttg catttcctta 180
ttaatgtgga caaataactt ttttcatgta tatattggac actgaagtga cttcttctgt 240
aaactgtctg ttcttgtcct ttgctgggtt tcctactgaa ttgtttgtct ttttctcact 300
ggttactatg agctttttgt atattaagta tattagcctt atgttttaggt tttgtgtagc 360
aaatattttc tcttggttta ttgacttttg tctttgtggg tggtttcttt ttgccttgcc 420
aataatttaa aaaatgtaca atcagatata tcaatctggt cctttatggt tctttgattt 480
tatgttatgc tcagtaagat cttctctaag gttataaaaa tgtttgtttc ctctgggtat 540
atztatgatt ttacattttt aggcctaaat tttttaactg tctggatttt atcttgatgt 600
gttttttttt tggagacgga gtctcgctct gtcacgcaga ctggagtgtg gtggcgcgat 660
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```

<210> 310

<211> 700

<212> DNA

<213> Homo sapiens

<400> 310

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tcttctctaa gggtataaaa atgtttgttt cctcctggta tatttatgat tttacatttt 60
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agtctcgctc tgtcacgcag actggagtgt agtggcgaga tttcggtcca ctgcaacatc 180
caccaccctg gttcaagcga ttctcctgcc tcagcctccc gcgagctggg attacagggg 240
tgcgccacca tgctgggcta atttttgat ttttagtaga gatgggggtt caccatggtg 300
gacagactgt tctcgaactc ctgacctcaa gcaatctgcc tgccatcaat tccctaagtg 360
ctgggattac aggtgtgagc caccatgccc agccaatgca ttttttaaag agacaacttt 420

```



```

ttaattttatt caaaatgtct agctgaatgt tctaatacct tttactgaat aactattccc 480
ccttgactttt gctactttttt attacatact gaattttttat attttcttgg gttttatcct 540
gaactctatc ctattccatt ggtttctatt cctataccat tatcacattg ttttaattac 600
tattgctcaa caatatgctt tattactatt attattattt ttgagacaga gtctagctct 660
gttgcccagt ctggagtgcg gtggcatgat gttggctcac 700

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<210> 311

<211> 628

<212> DNA

<213> Homo sapiens

<400> 311

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tattacatac tgaattttta tattttcttg ggttttatcc tgaactctat cctattccat 60
tggtttctat tcctatacca ttatcacatt gttttaatta ctattgctca acaatatgct 120
ttattactat tattattatt tttgagacag agtctagctc tgttgcccag tctggagtgc 180
ggtagcatga tgttggtcct ctgcaacctc cacctcccgg gttcaagcaa ttctcctacc 240
tcagcctcct gagtagctgg gactacaggt gtgtgccacc atgccagct aatttttgta 300
tttttagtag agacaggggt tcacatggt ggccaggatg gtctcgatct cttgacctca 360
tgatccgctt gcctcagcct cccaaagtgt tgggattaca ggcatgtgcc accgcgcctg 420
gcctattatt tatttttttt ttttgagacg gagttttgct cttgttgccc aggctggagt 480
gcagtgggtg gatctcagct cactgcaacc tctgcctcct gggccaagca gttctcctgc 540
ctcagcctcc tgagtagctg ggattacatg tgactgccac cacaccagc taattttttg 600
tatttttagt aaagatgagg tttcacta 628

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<210> 312

<211> 700

<212> DNA

<213> Homo sapiens

<400> 312

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ggctctgact aaagaatatg acagatcaga tattectctc cacctgctcc cctcccccat 60
cccttttttag agggctgggg aaatttttagt ttttaataca aggcctttatt tctccagttg 120
tgcaaaggaa tttaactggg actttacaac tgaataaagt atttctcaga gtcgatacta 180
atcttagcaa gaggatattg cctaaccocaa cctaaaagca gcagagtcac tacagaaata 240
ttatgttggc cttgatattct accccaccat gagttatgct actcaccagg tagcctgttt 300
tggttttcat ttttagagac aggtgtctac tctgtcacc aggttgaggt gcagtgtcac 360
aatcatagct tactatgacc tcaaactctt aggtcacaat gatccacctc agcctcccaa 420
gtagctggga ccacaggtgt ctgccactac acttggctaa ttttttaatt tttgtagag 480
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gccttgggct cccaaagtgc tgaggttaca ggcgtgagcc actgtgccc gcatgtgccc 600
tgttttaagt gtatctcctg ctgtagtccg ttacatgtgc acatctcttc tgtgtttact 660
gtgtacctgc tctatgctga gaagaatgtc ttttcaaac 700

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<210> 313

<211> 700

<212> DNA

<213> Homo sapiens

<400> 313

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gctgtagtcc gttacatgtg cacatctctt ctgtgtttac tgtgtacctg ctctatgctg 180
agaagaatgt cttttcaaaa ctacacctc cccttaggag agagagggtg ccacatgaat 240
ggagaatgac tgcatagcac gctgagggct gtggtaaaag aggcgtgaat gtgagctgcc 300
aggtagcgca tcttctctgt gcagctgaca tgggtcctga cacatgtctg cctgaccaa 360
ggggcagaag aggccttctca ggggaagttc tgtttgaggt cttcagcagt tcaacagctg 420
gggaaaggta ttccaggagc gactgagttt ggatgccatg tgcgttggtg gtgtgcttga 480
agtagagcaa acgggggtgga ggcaaatgag cctgaaaagg aaagagatgg gacaggatcc 540
tactgtggaa gagttttctg taagcagtgga gaagccacag aaggatttta agtgggcat 600

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tcacattgtg ttttattttg agacagggtc tcactgtcac ccaggctgga gtacagtggc 660
 atgatcaagg ctcaactgaag cctcaacctc ccaggctaaa 700

<210> 314
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 314
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 gtaagcagtg ggaagccaca gaaggatttt aagtgggcca ttcacattgt gttttatttt 120
 gagacagggg ctcaactgtca cccaggctgg agtacagtgg catgatcaag gctcactgaa 180
 gcctcaacct cccagggttaa agcaatcctc ctgcttcaac ctcccaatta gctgagagca 240
 cagctgtgta aaaattttaat tttttttttt tttgtagaga caggatgttg gccaggctgg 300
 tctcgaactt ttgggttcaa gcgaagctcc catctcagtc tcccaaagtg ccgggattac 360
 aggcgtgagc cactgcacct ggctattttg tgttttagaa aaacaactgc tgggccgggt 420
 gtgggtggctc acccctgtaa tcccagcact ttgggaggtt gaggcagggtg gatcacgagg 480
 tcaagagatt gagaccatcc tggccaacat ggtgaaaccc cgtctctact aaaaatacaa 540
 aaaaatttac ctgggcgtgg tggcatgcac ctgtagtccc agctacttgg gaggctgagg 600
 caggagaatc acttgaatcc cgggggcgga gattgcaggg agccgagatc gcaccactgc 660
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<210> 315
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 315
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 ccgggggccc agattgcagg gagccgagat cgcaccactg cactccagcc tagtgacaga 180
 gtgaaattct gtctcagaaa aacaaaaaca aacaaaaaga aacaactgct ggagagtgtg 240
 tgaaggatta gagggagcaa gacgggatgc tgggtgggat ggtggttggg agagcagatg 300
 ctatacacac ctgtgtcccg gaggtggaat gggtcacag ccagaggagt aaccgccctc 360
 tcttctcagc tgttttgctt gcactcgtga ttggtataaa ctgagggagc aaatgtgtgt 420
 cctcttattc acgttgccca gtaagtaccc atcagaaact agagcataca aaacatcaaa 480
 acatattttc gtttggtgta actctggcta aggtgtgcag tgagcataca gacagcttag 540
 agacttaaag ttggactagg aagaagttga caggatggat tagaagatag ccactttagg 600
 ctgggtacag tggctcatgc ctgtaatccc agcactttgg gaggccgagg tgggtggatc 660
 acctgaggtc aggagttcaa gaccagcctg gccaacacag 700

<210> 316
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 316
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 cctgtaatcc cagcactttg ggaggccgag gtgggtggat cacctgaggt caggagttca 180
 agaccagcct ggccaacaca gtgaaacccc atctctacta ataatacaaa aaaatgaggc 240
 aggtgtggtg gcaggcacct gtaatccag ctactcagga ggctgaggca ggagaatngc 300
 ttgaanctgg gaggtggagg ttgcagtgag ccaagatcnn gccantgcac tcnagcctgg 360
 gngncagagc gagantctgt ntnannaaaa aaaaaaaaaa aaaaaaaaaa annncaacac 420

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tttagagagc caaggagagg gtgtctgggt acttagggca aaagcccagt tgaggaaacg 480
ctgggcgtga cagctaactg gggatttttag tactccacct ggggaatggaa ctcaaacttg 540
agctaataaa ttgaatctag aaatcagccc caaggctaga gaaagtgcct gccttgctcc 600
tagtggaagc tactagaaac tgagaagcca accctgtgtg tcataggcca ggctgtgcct 660
agctccataa ggaagctctg cgttgtgtcct agccttgaga 700

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<210> 317

<211> 700

<212> DNA

<213> Homo sapiens

<400> 317

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gaaatcagcc ccaaggctag agaaagtgcc tgccttgctc ctagtggaag ctactagaaa 120
ctgagaagcc aaccctgtgt gtcataggcc aggtgtgtgc tagctccata aggaagctct 180
gcgttgtgtc tagccttgag attcccatcc ttagataatg tgggcaccct gagattatgt 240
gaaggagggc agagaaaaac caagagcagg gtcaatgaca tggacagcaa caagcagagc 300
ccccttgcca tttgtaacag aggtgaccct ttgtaactgt agcccaacaa tgtttccata 360
aaagacagcc atagatttga gccaaatcat tttttgattc atttttccaa taaataatta 420
ttaccctta gatgccagtt acagatagtt tattcattgg caaaagggtg aggtatgata 480
gccaggaggg aaagggttcag acttactgtc aatgtcatat tccacacaca gacaaaaggc 540
atgtcccatg aagcaggcac gggctgtggc tgagtttgct acataaatgt gctcagatga 600
caagcatctt aactttcact taatcctgaa ggtttttcac cctctgtttt ttgttttgtt 660
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<210> 318

<211> 700

<212> DNA

<213> Homo sapiens

<400> 318

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ttaatcctga aggtttttca ccctctgttt tttgttttgt tttttttttt ttgagacaga 180
atctcgtctc gccgcccagg ctggagtgcg atggcacgat cttggctcac tgcaacctcc 240
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gcactagcat cccagctaa tttttgtatt tttagtagag acggggtttc gccatgttgg 360
ccaggctggc cttgaactcc tgacctaaagg tgatccgcct gcttcagtct cccaaagtgc 420
tggaattaca ggcgtgagcc actgcgcccg gcctcaccca ctgtttttat aagtatcccc 480
ctcaatttgt gttctcattg tcttcggaaa ttcaaaggct tgttgttgtt gcatgtttgc 540
atccagagtc caggactgcc tgactgggag taaatggaaa tgtgagttgc atcttgccca 600
atgaagctta tgtgatgaca gacctgctta gagtctgcat gtgtcctttc catggcgtgc 660
tctaaatctt cctactttcc tttaccatcc tgtcctcata 700

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<210> 319

<211> 700

<212> DNA

<213> Homo sapiens

<400> 319

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gtcttcggaa attcaaaggc ttgttgttgt tgcattgttg catccagagt ccaggactgc 60
ctgactggga gtaaatggaa atgtgagttg catcttgctt aatgaagctt atgtgatgac 120
agacctgctt agagtctgca tgtgtccttt ccatggcgct ctctaaatct tctactttc 180
ctttaccatc ctgtcctcat atacaaaactg taaccacta cccatatact gtggcagact 240
acaactcaca ttagccattg aatgcaaattg agcctcaatc aaagaagaaa ggaaattaaa 300
atttacagta tgtgtcttct ccggttggcc tgaggagcct ccatgactct catagctatt 360
tattgccctt ggcattgctg tatttttatgt gggcaggggtg aaactggctg tggtcagggt 420
gagacttgaa gcttttgatt tgttccctta ttttgaaagg gttaaaaaga tgttacatgt 480
tttggtgtaa ttttagtact catattaatt ttgtcacatc tctgtaagcg aggatgaaaa 540

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gagagtgctc aatcactgtt actagatcca tattcttaca gagaacaagt cttcaaaagg 600
caagttttga tgacacttgg gtttttttcc ccccttttaaat ttctttttaa taacagcttt 660
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<210> 320

<211> 700

<212> DNA

<213> Homo sapiens

<400> 320

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tactagatcc atattctttac agagaacaag tcttcaaaag gcaagttttg atgacacttg 120
ggtttttttc cccctttttaa tttcttttaa ataacagctt tattgagata gaattcacct 180
actacgaaat ttatcctttt aaagtgtacg agtcagtgtc ttttagtatg ttcatagaat 240
tgtgcaacca tcaccattat ctaatatccg aacattttca tcaccctga aagaaacccc 300
acccccatt atcagtcact ccccatgcct ccacaccgcg cccccacca cagcctgtag 360
caatcaatat tctatttttg cctctgtgga ttctcctgtt ctgaataatt catatcagta 420
gaatcatacc atatgtgggc ttctgcattt ggcttctttc ccgtcacata ctgtttccaa 480
ggttcatccg ggttgtggcc tctgtcagta cttcatttct ttttattgac aaataatatg 540
ccattgtatg gatatgccac tttttgttta tccatcagtt gattgacatt ttgggtgtct 600
ctactttttt ttttttttct ttgagacagg gtcttattct gtcgctcagg ctggagtaca 660
gcagcgcagt catagctcat tgtagcctca acctcccagg 700

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<210> 321

<211> 700

<212> DNA

<213> Homo sapiens

<400> 321

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ctctgtcagt acttcatttc tttttattga caaataatat gccattgtat ggatatgcc 60
ctttttgttt atccatcagt tgattgacat tttgggtgtc tctacttttt tttttttttc 120
tttgagacag ggtcttattc tgtcgtcag gctggagtac agcagcgcag tcatagctca 180
ttgtagcctc aacctccag gcttgagcca tcctcccacc tcagcctctc cagtagctgg 240
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tgctgggat tacaggtgtg aaccactgct ccagccact tctacttttt tgctattatg 420
aataatggtg ctatgaacat ttgtgtagag gtttttgtgt ggacatgtgt tcctagtctc 480
cttgggtata tacctaggat tgggaattgct ggatcgtaaa ctattttatc cttttgagga 540
actgccaat gttttccaaa gtgactacac catttttcaa tcaactccagc aatgtaggag 600
ggttccaat tttctacatc ttcaccaaca gttattgtct tttaaatgtt atttctttta 660
tgaaaaaact tcatttatgc acataacaca cacacacaca 700

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<210> 322

<211> 700

<212> DNA

<213> Homo sapiens

<400> 322

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agtgactaca ccatttttca atcactccag caatgtagga gggttccaat ttttctacat 120
cttcaccaac agttattgtc ttttaaattg tatttcttta atgaaaaaac ttcattttatg 180
cacataaac acacacacac acacacacac acacacacac acacacacac acacacacac 240
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tgtttcaccc ctcttagtc caagtcccat tcccagcaaa ccattctcca tttttatttt 360
tagtttttcc agtgactatc attataattc caaagattgc ttgattcatt attttttctt 420
ctctttttat tatgaaaact ttcaattatg tataaaagga gaatagtata accaaccccc 480
tgtacacatc cccagctgca acaactgtca acccatgacc acttttacc actgtttttt 540
gctttatcag tgtttagatg catacattga tttccctatt gaagaaagag aatttaccta 600
attctatcac ttccaaattt ttatagtaaa ttatttttag ttcttctatt acctttgtga 660

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ttttgataaa tccctaaacc ttgtgttctt gttccatcca

700

<210> 323

<211> 700

<212> DNA

<213> Homo sapiens

<400> 323

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aacaactgtc aacccatgac cactttttacc cactgttttt tgctttatca gtgtagatg 60
tcatacatg atttccctat tgaagaaaga gaatttacct aattctatca cttccaaatt 120
tttatagtaa attattttta gttcttctat tacctttgtg attttgataa atccctaaac 180
cttgtgttct tgttccatcc actgtgcaca gtgttattta actgccctct tgtccatgca 240
agctggagat agcaatgccc acctctcttt tcttctgctt tcacctccca gccatttcca 300
gctatagctc ttatatattt cagtggatag caatttatag tctgttctcc aaccatcatc 360
aagtcttctg tgctttgtct attggttggg tctaagactt gagaatcaag agaatttaca 420
ttattatgac tttaaatata gttcactgta gagccatatg gtgtactgag gattacttct 480
tttttctgta gactcagtat aacaatcctt gtgccaatgg gggaagaacg ttttagacat 540
ccagttgata ccttttctgt tcagaaatat atggtaatcc atagcactct tggacccaag 600
gtgtcttatt tacatcttgt atggccttgt gttctttaat tatcttgtgt gttatgtccc 660
taactcgaga gggaacccct cgagggggaa gtggtctttc 700

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<210> 324

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 324

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taacaatcct tgtgccaatg gggaagaac gtttagaca tccagttgat accttttctg 60
ttcagaaata tatggtaatc catagcactc ttggacccaa ggtgtcttat ttacatcttg 120
tatggccttg tgttctttta ttatcttctg tgttatgtcc ctaactcgag agggaaacccc 180
tcgaggggga agtgggtctt cctgttttgc tcccatagca tttatagtct cttggtaaac 240
taaattgatt tccctaaaag ttgcaaacca taatttcatt tgtcaagtaa acatagccaa 300
tacattaaat gccattgctg ttagattcta tatatacttt attttatgat gagttataaa 360
tatataaata cttaaannat aaagctatca aaaactcata aattaaaata ttcagctcga 420
acactttgaa tatttctctc tcatgatcgt ctttagcctt tccaagaagt tttccaacgt 480
actctgggtg gcttccttca caggacagga attctgcaaa anaaacattt cattagcttg 540
cattggtaag catttgtctt gcctgcctgt ctacttgatc aagcctactg tggcacttgt 600
cacctgaaca cttataaaac caaggcctcc agtctagcct gactgggagt tgtctctatc 660
actaggccag caggttttgc ctattttggg tgcatactac 700

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<210> 325

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 325

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acaggacagg aattctgcaa aanaaacatt tcattagctt gcattggtaa gcatttgtct 60
tgctgcctg tctacttgat caagcctact gtggcacttg tcacctgaac acttataaaa 120
ccaaggcctc cagtctagcc tgactgggag ttgtctctat cactaggcca gcaggttttg 180

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cctatTTTTgG gtgcatacta cttacacttc tagaaatggT tactgtatac cattacctat 240
ctgctTTTTgG ggtgggtggc gcggggggga gtgcagtctc tggagaggTg tgtcacagct 300
aggTgcttgc tcagagggtg gaacttgaag atgctggctc agacctgcc ggTgctctac 360
tgggccttct gcatgactgc ctggactgct gagagagatt cagtcatgtg gccctcctgt 420
gccattaaac agcagcaccg cagcacagca gccctaaagg tgggaaggat tccagatgct 480
acccccaggc cactgcttca gtttgaatct cagctctacc atttattaat tgtattgctt 540
aggatgtact acttaattta taaaagcttc agtttctttt gtaaagttgg gacaattgtt 600
tgctacttg cctgcttcat aagataatgg agagaattaa aagagagaac atgtgttgTg 660
ccaagttcct atcccatgac ctatcccat gtctacaagg 700

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<210> 326

<211> 700

<212> DNA

<213> Homo sapiens

<400> 326

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agtttgaatc tcagctctac catttattaa ttgtattgct taggatgtac tacttaattt 60
ataaaagctt cagtttcttt tgtaaagttg ggacaattgt ttgcctactt gctgcttca 120
taagataatg gagagaatta aaagagagaa catgtgttgt gccaaagtcc tatcccatga 180
cctatcccat tgtctacaag gtgataggcc cagagagggg atacatgtcc ttgttctcct 240
ctaaagccaa ttaattcctc cactcgatat tagataacat ccactctggg ctacaaggac 300
ttctgcccc taatgattct tcctctttct gctctcttca gttcttctg ctccactgga 360
ccattcccc aggtgcatta acatgctggg tataccccc accttaaaag agcttccctc 420
actccataac caccctgcag ctgtgggtca gtttctctgc agccttatag ctaaacatct 480
tcaaagagtG ttctgccctc actgttccct ctttgtctcc tctcgccacc ctatcctcgg 540
tgagcccaact ccagctgggc tttccttcct gcctctccat ttacatcagc ctaccccatg 600
gcctccatca gccaaaccca ggggcctttc ttggtcctca cctgacctgt cctttcagta 660
catttgacac agtcaaccct cctccttga gtgtcctcaa 700

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<210> 327

<211> 700

<212> DNA

<213> Homo sapiens

<400> 327

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cactgttctt tctttgtctc ctctcgccac cctatcctcg gtgagccac tccagctggg 60
ctttccttcc tgcctctcca ttacatcag cctcacccat ggctccatc agccaaaccc 120
aggggccttt cttggctctc acctgacctg tcctttcagt acatttgaca cagtcaaccc 180
tcctccttg agtgtctca acggcttctt ggggtaccgc ccactctcca gtgttctcct 240
gcctcactgg tcaactctcc tcaggccctt tggctggatc ctctctcct gacctccatg 300
tgttgatctc aggtcagtc ctttgatctc tccctttctg tcattcagat tttcagcagt 360
atctatctaa ggactctcct ttttgattg caagttctga cctctccctt aagttccaga 420
cttttctaac catcttctca acaccttcac ttggctatcc aagagccacc ttacatgtac 480
gatgtacaaa attgaactct tgatctctg ctgaacctcc agccctgcct tgcgcagcagt 540
ctttcatctc tctgtaaaca gtactgacca tcgccagagg ggtttgggca ggaacaaaga 600
ggatcatctt tcctccctg tatcttacc cctacaaccg atctgtcagc aaatccttct 660
ggttttattt ttagtcatat cccaatctg ttcacctcaa 700

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<210> 328

<211> 700

<212> DNA

<213> Homo sapiens

<400> 328

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ttgatcttct gctgaacctc cagccctgcc ttgcggccag tctttcatct ctctgtaaac 60
agtactgacc atcgccagag gggtttgggc aggaacaaag aggtcatctt ttctccct 120
gtatcttacc cctacaacc gatctgtcag caaatccttc tggttttatt tttagtcata 180
tcccaaactc gttcacctca actgtccca ttctgtccac gccaccatca tctctagcct 240
ggtttactgt gtagcctcc caacaggcca tcttgcttca ttctgtccac gccaccatcg 300

```

```

tctctagcct ggtttactgt ggtagcctcc caacaggcca tcttgcttca ttctgtccac 360
gccaccatca tctctagcct ggtttactgt ggtagcctcc caacaggcca tcttgcttct 420
atgctttccc cctttcagcc tatttaccac acagtagcca gactgaccct tttaaatcac 480
gtaaatcaga ttgtacagtc tttgtcctgc ccaaagctct gcaggtgttc cctgccatac 540
tcgtggtgga atctaaaggc cttgtgtgat ctgctgtcct ggaaactacc cctcactcac 600
tctgatccag ccacactggc cttcctactg gtcttttaaat acaggaagtt agttcatttc 660
catcctaagg cctttgcata cctcctcctt ctgcctggaa 700

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<210> 329

<211> 700

<212> DNA

<213> Homo sapiens

<400> 329

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ctttgtcctg cccaaagctc tgcaggtgtt ccctgccata ctctgtggtgg aatctaaagg 60
ccttgtgtga tctgtgtgcc tggaaactac ccctcactca ctctgatcca gccacactgg 120
ccttcctact ggtcttttaa tacaggaagt tagttcattt ccatacctaag gcctttgcat 180
acctcctcct tctgcctgga atggtctccc tagttagtca tgtggcctgc tccctcaatt 240
caaatactcg ctacagataat gtcaccagct cctaagtcag cccctcctccc catgactctt 300
atgttcttta tttctatggt tttctttgta gcacgtatca ctgctggcca tcattttaca 360
tgtttgtttt tctaactctc ccattagaac attccatgag aacagggact cggcctgcgt 420
gtcttttagtg acacgtcctc agcacctaga accacaccca gcacttgagg aacttcagca 480
aatacttatt gaatgagtga atgaatgaat gggttgacca aggggtgctgc agctcccaag 540
gagtgttttag aagtgaggct gctgtccacc aggagccacg cggccggctt gccaggaata 600
cagtgcagct taccaagccc gccaggcccc agaggttcct gtcgagccgt ttcaggaatc 660
ggatcagctg cttgtgcctg tggaaactgct gtgcagtcgc 700

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<210> 330

<211> 700

<212> DNA

<213> Homo sapiens

<400> 330

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aatgaatgaa tgggttgacc aagggtgctg cagctcccaa ggagtgttta gaagtgaggc 60
tgctgtccac caggagccac gcggccggct tgccaggaat acagtgcagc ttaccaagcc 120
cgccaggccc cagaggttcc tgtcgagccg tttcaggaat cggatcagct gcttgtgcct 180
gtggaactgc tgtgcagtcg caccagggca gcgagtgtcc ttctcatggt ggctgtagaa 240
ctgccggagc acagtgcagc ccctgcagaa ggtttccttc tcagtttgtt tctggaaaga 300
caaatgccac agatagcaat gtgccagctc catttgagg atgggagaga gatttttctt 360
cttgatttct tctttccagg aggacaaatg gaggtgagtt tgctcaacta cagacctgtc 420
ttcaagtatt ccaactgaagg aaggctgctt gccacagaca taaacctctg tcaacaacct 480
ctcccaattg caaacgcagc agccttctcc ccagaacctc ccagtttctt ttctcttgga 540
ggattttgcc gaaagggtac ctgaataaag tcatcccatg aggaaaaggc acagtgggga 600
ctagaatgca ggaccatctg tcgctacagc ccacgttctg cgtccgtgtc tctataacct 660
atgagctatt ctgctatgaa aagtgccac atgagctctc 700

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<210> 331

<211> 700

<212> DNA

<213> Homo sapiens

<400> 331

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cagccttctc cccagaacct cccagtttcc tttctcttgg aggattttgc cgaaagggta 60
cctgaataaaa gtcatcccat gaggaaaagg cacagtgggg actagaatgc aggacctct 120
gtcgctacag cccacgttct gcgtccgtgt ctctatacct catgagctat tctgctatga 180
aaagtgccca catgagctct cagtcagggt ctgctcttgt tccagagggt tttaaaatcc 240
agctttccct ggaaatcctg catgcctgtt gaataaatga gtgcacatcc tttggcctga 300
actctgtgc tttggccagc actctccgtg tggctctccc catgggagag gagagcagca 360
catggcccaa gtgaggagct aagacatttt gccaggcagc aagagataag tgcacagatc 420

```

```

agggaaaggt gtcctgggag atcagaggag gctctgggag caggtgccat tgatctgagc 480
cttgggcaga gcttctgtaa ggggcctttt ggccccaat gatgcggagt gagaatctcc 540
ttggaatgcc agcaactgtg agggctctggc cacatggctc ttcctggggg cccttagcct 600
tagagaaggg aatggacaag agacaagtca ttgggaaccc aggagaggga ttgtgtctca 660
gtctgaacct ggcctgggtg gtcctctcat ttttactga 700

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<210> 332

<211> 700

<212> DNA

<213> Homo sapiens

<400> 332

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aggggccttt tggcccaaa tgatgcggag tgagaatctc cttggaatgc cagcaactgt 60
gagggtctgg ccacatggct cttcctgggg gcccttagcc ttagagaagg gaatggacaa 120
gagacaagtc attgggaacc caggagaggg atttgtctc agtctgaacc tggcctggtg 180
tgtcctctca tttttcactg aagaacaaag atgcagaacc tggagagggt tcttagcttg 240
agcccagttc ctttatccag ttcagataaa gaaagctatc cccagcctct cccccgacat 300
gctctgggtc cttgatactc aaagtgtggt ccatggacca gcagcatgga catcactggg 360
agcttcttag aaatacagaa tctcagacca cccctgcccc acccagaccc tctgaatcag 420
aagaacagtg acaagatgct caggggtttc tatcagcagc gctgtccaag cagctttcaa 480
gttctttacat aaaaaaaaa ctgatgatca agataacata tatttactat aaaggtaaca 540
tatattcaac aaaaatacat tcaactcatc caccagccag aggtaactat tgctgttaat 600
atatttgtaa atatcgtcac acttttaaaa atacttttta aaataggggt caactgttga 660
tactgttttg taacttcttt actctttaca tataccataa 700

```

<210> 333

<211> 700

<212> DNA

<213> Homo sapiens

<400> 333

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tctgatgatc aagataacat atatttacta taaaggtaac atatatcaa caaaaataca 60
ttcactcatc ccaccagcca gaggtaacta ttgctgttaa tattttggta aatatcgtca 120
cactttttaa aatacttttt aaaatagggg tcaactgttg atactgtttt gtaacttctt 180
tactctttac atataccata agcatttcct aagcccttcg gtgggtattag agaacatggg 240
attgagagct gcgtagaaac gcattgcaca gtggtactgt catttgtcag gccctatcgt 300
tggcagattt ttgcttctgt aaataagcgg cagttagtaa actatagaaa tctttgtgtt 360
catctcttat ttatgtaggc taaattctag gaatgcagtt catattttta cgttttttca 420
ggaaagtcta gaccagact gaggcaccag aatcccaggc tacagaagct tcccccttcc 480
cctgtggggc gtgatgtccc atgggcagag cggtagaaa gacatttact taatgaactg 540
actgagagtc actcctcgtt cctgattcta gttggaaatg taagagtgtg tcagtatctt 600
tgggctctgg gggccaagaa acagacctct ctgggctttg taggcgagtc gaggtggaag 660
ggacacgggc tgatgggggg cggcagatgg tgctgtgtg 700

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<210> 334

<211> 700

<212> DNA

<213> Homo sapiens

<400> 334

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catgggcaga gcggttagaa agacatttac ttaatgaact gactgagagt cactcctcgt 60
tcctgattct agttggaaat gtaagagtgt gtcagtatct ttgggctctg ggggccaaga 120
aacagacctc tctgggcttt gtaggcgagt cgagggtggaa gggacacggg ctgatggggg 180
gcggcagatg gtgctgtgt gtctggaggt gggcagacat gcatgctgct gcagagggaa 240
cagtggagatt caagaaaacc aaaaagtcag ccccttgctt cttttaccac aaaccttggt 300
gagatttttc tgaaacgctg gcttggagcc tggaaattaa acttaatttt gaccctgata 360
tgccacata gtataggaaa aaaccctcta aagatatttt tgaaaggact ttctaaaggga 420
aacaaggata aaataagaat tgaaaagagt ctgcattaaa tggaaaaact ttaaaagaat 480
gcacctaag ggcagcttta gtgcaaggcc ttaacgtttt agttgctctg gtatcgcagc 540

```



```

gagggggcga cactccatcc ctgccgtggc cctggactcc taccacctgc ctgtctagct 600
ctggctgctg agtgtgtctg ccagtggctc agggagtgc cttggacagc ctggctgacc 660
tcacagttca gaactgctta gggagtgc cagaaggagg 700

```

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<210> 335
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 335
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gccagtggct cagggagtgc acttggacag cctggctgac ctcacagttc agaactgctt 180
agggagtgc tcagaaggag gcctgtccct cccgggaatg tcaggaaaca gccacttggg 240
agatttcttc tgtggcagtg actctgtgag agttctaact cggttcttga ccagcctcac 300
tgaggaccat ataaatccag cccgattggc actgcattca ttatctccca tcctgcccag 360
gatagtcagc tagtgctgta tatgagaaac tccttcaaaa aacagaggta tttgaggttc 420
attatggaac tctctgtaga attatgaact ttagctctct ttggtaaata ggaaatngct 480
ccaactactt gtccacccaa gaaacccttc atcagccagc cagcttgctt cttcccactt 540
tgctgttcc cagacagcct tgacttcata gacaccctga caggtgttac ctgtgaagcc 600
caggacctag accagtgcct tctttccagc aactgccaa agtagaatgc tacccaactt 660
agagatacta aaattcttgt tccccgaag aaataaaatc 700

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<210> 336
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 336
agaaaccctt catcagccag ccagcttgct tcttcccact ttgctgttcc tcagacagcc 60
ttgacttcat agacaccctg acaggtgtta cctgtgaagc ccaggaccta gaccagtgcc 120
ttctttccag caactgccaa gtagtagaat ctacccaact tagagatact aaaattcttg 180
tcccccgaa gaaataaaat caataggctg gattttggaa agatgttttc tttgggaaca 240
caaagaagta ctttttctc tgcataccac cttttaggtt ttttgaataat agcaacattt 300
cactgttctg aaatatctta acatgtaagt aagcagtgct gaatcttcga ggggaagaaa 360
agagtgaaga gtgagatcgt gaactccagg aggatgaagt tcaggggagg caaatgagac 420
gggtaagagt gaaggcaggc agtggggatt attctaggag atgttttgtt gtgtgagagg 480
gaggtgagtg aggactgagt gaagagggga gttaaggacg ggagggcagc agtgtcctgg 540
cctgcacccg ggggtcttcc agaaacagcc cagatggatt gcccagact cggcatcctg 600
gatggtttga tcctttccaa cccgggtccc tccttcttag aatcatcgct tctctgcacc 660
tgttcttgct tttaatcgtg gttatatcat ctcacaataa 700

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<210> 337
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 337
tgaagagggg agttaaggac gggagggcag cagtgtcctg gcctgcaccc gggggctctt 60

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cagaaacagc ccagatggat tgccccagac tcggcatcct ggatgggttg atcctttcca 120
acccgggtccc ctccttctta gaatcatcgc ttctctgcac ctgttcttgc ttttaatcgt 180
ggttatatca tctcacaata acactttgca ctaactcaag agctggattc caatcaacct 240
tgcaatcacc ttcagaatca ctttcatatc ttcacatgtg gaaactgagg tgcagagagg 300
tgtgaagatg tgctgaaggc cagccacaca gctagtcagt ggcagagctg ggtctaaaac 360
cacaggcagt cttacctcca ggccctcagc cctcacccct cctccaggcc tggcttctag 420
tgagggtggcc cttcccttgg ctttgttaga gccttctcag cagtgccaca ggcctccaga 480
gacccagtg ctaacccggg ggactcttgg cttctagtag gagccatctc ggttgatgg 540
acttgagat tttatacaca cacacacaca cacacacaca canananata canananata 600
natacanaca nanatatana nacacacana nanananana cacacacaca cacacacaca 660
cataaactgt tgcccagggt cagtggctaa tcccagcact 700

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<210> 338

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 338

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tggactcttg gcttctagta ggagccatct cggttggatg gacttggaga ttttatacac 60
acacacacac acacacacac acanananat acanananat anatacanac ananatatan 120
anacacacan ananananan acacacacac acacacacac acataaactg ttgcccagggt 180
gcagtggcta atcccagcac tttgagaggc cgagggtggac ggattgcttg agcccagaag 240
ttcgagacaa gcctgggcaa aatggcaaga ctccatctct acaaaaaaat acaaaaatta 300
gccaggcgtg gtggtgcaca cctgtcgtcc cggctacttg ggaggctgag gtaggaagat 360
agcttgagcc tgggaggtgg aggctgctat gagctgaaat cgcaccactg cactccagcc 420
tgggtgacag aacaagaccc tatctcaaaa aaaaaaaaaa gtgtgtattt gcccttcaga 480
atctcatcct gtatcggact cccgggataa ctaatgaaat gagatagtc agctaaaggc 540
ccgaagagca gtttccctca tgaagcagga tgggcctgt tctatggtct ggggtgctgga 600
gtgtgaccct gcccaacaca cagggttca ctctggcca tatcatctcc ctagtgtgca 660
tggaaagcag gtagtttaga gaccactgtg aaattgaggc 700

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<210> 339

<211> 700

<212> DNA

<213> Homo sapiens

<400> 339

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tcccgggata actaatgaaa tgagatagtc cagctaaagg cccgaagagc agtttccctc 60
atgaagcagg atgggccctg ttctatggtc tgggtgctgg agtgtgacct tgcccaacac 120
acagggtctt actcctggcc atatcatctc cctagtttgc atggaaagca gtagttagg 180
agaccactgt gaaattgagg ctttggggct ttcattctca gccgtgtgtt tccatgaaaa 240
caggaactga aatgcacaaa actattgata cggctgtagt catgtgtttg tcagagaaaa 300
tgcactatca gctgtcaaat ctatctcctc ccactacaga tagaggggtg ggggtgaggc 360
agcacaggag gcagagaggc gaggtgcccc ggcagcccga agcagggatg tgctggacgc 420
tgcccagcag gatggttcca gaccgagctg gaggggagtt cggccggcca gagcaagctg 480
aggagctctg gacggcgagc cccggaacct agagggctgt taggtggcca ggctgtggaa 540
gaggaggggc tctggcgata cttttctgt tgccatagga agtctcttag acaaaatgaa 600
agctccctca acctgtcatc tcaatatctg tttctgtgag agtatttggg ttttcagaaa 660
tgtatggggc agaaaaattc tctcattcaa caggcattta 700

```

<210> 340

<211> 700

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 340
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 accttttctg ttgccatagg aagtctctta gacaaaatga aagctccctc aacctgtcat 120
 ctcaatatct gtttctgtga gagtatttgg tttttcagaa atgtatgggc cagaaaaatt 180
 ctctcattca acaggcattt attgagtgc tctacgttc caggcactat gccaaagcta 240
 agtaaaaccc aagagggctt ttctttgacc aggatctgag tcaggactac agcatgtaag 300
 ctttctatta catgtcttct aaatcaagt aaaccagaaa gaccaaaca tgcttaagag 360
 taaagatcag acttctcggt ctttgaaaac atctaacc ttagagttaa tttgggcccg 420
 ctcgttttcc attagacaag tttcttggtc agacatttgg ggatggatcn cccatttgc 480
 taaaacagac cgtgggacgg cttcttacct tggaggcagc aaagatgtct gttacggtca 540
 actcggtgca cagagtcttg gtccaggcag aaatgagaga gcaagagaca gagttaacct 600
 ccaaccggac agagaagtcc ttgatgagca gctctcact cctccaactg aggaaacttc 660
 ctacaaaccc tcagaaaaaa gagtggcagg ggagaagcct 700

<210> 341
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 341
 gcttcttacc ttggaggcag caaagatgtc tgttacggtc aactcgggtgc acagagtctt 60
 ggtccaggca gaaatgagag agcaagagac agagttaacc tccaaccgga cagagaagtc 120
 cttgatgagc agctctcact ccctccaact gaggaaactt cctacaaacc ctcagaaaaa 180
 agagtggcag gggagaagcc tcgctgtgtg ccctggactg ccaccaacca ccagttccaa 240
 cttctctagc agctgttaac gttttcatgc ctagaatac tgagagcatc accagaacat 300
 ctggagagat ggtgccagat aggtactcac cttctgctct gtgaggctgt tcaaagtttt 360
 gatgatctcc tgtaagggtga tatcgcaact gtgtccgtgg acaaagttgc cggcacatgc 420
 tagcaggaag aacagagggg gaagcagttg ggaggngaga cccattaata ggtgtcgatt 480
 tgcagtgaca atgtgagnca attagtttat caggagaagc taacgatnca atgctgacaa 540
 agatatctct atatatagat ttaaaattgc tgaaaccgag ggaaaatgag tttacattgg 600
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 gaaaaaatgc ctcacaaaca ggtaaaatgt tcctgtgaaa 700

<210> 342
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 342
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 tttaaaattg ctgaaaccga gggaaaatga gtttacattg gaaattttcg ttacaccaga 120
 ttgtcagtc cttggggcca atcagcacct ctcttccagg agaaaaaatg ctcacaaac 180
 aggtaaaatg ttctgtgtaa atcagaccaa taggaaaatg aaaccttttt aaaaaattaa 240
 ctacaaagtt tcagcatagg aaattacacc ataatttgct ctttagatta atcttatcag 300

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cttggggctg ctgctggctt tttgctttgc atagaaggggaggggccacag gtgtccgaat 360
ttgttgtaat gcagtcctcc tggggaaaaga tagagtaata tcaagaaagt tttacttgaa 420
aagtatttta acctggcttc ttccaagtac aggtggcatc ttggaaactg tcctgtcatg 480
gaaaagctga tctggggctc cttctctgca tagaggcaga ataacaggca gactctccta 540
ccccagcact ggggnacaat gttctcccaa gtttaggtgt tttgagaagg acaggtcgta 600
tcaggtgagg cctagtttgg gtcccagcag gtccataagg tccttaccca taaggaagcc 660
cttggcaagg taggtctatt ctgaggtttc aggaatgact 700

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<210> 343

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 343

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tgttctccca agtttaggtg ttttgagaag gacaggtcgt atcaggtgag gcctagtttg 120
gggtcccagca ggtccataag gtccctaccc ataaggaagc ccttggcaag gtaggtctat 180
tctgaggttt caggaatgac tttttttttt tttttctga gacaggtct cactctgtca 240
cccaggctga aatgcaatgt tgtgatcagg gatcactgca gcctcaacct cccaggctca 300
agtgatcctc ccacctcagc ccccttagca gtaggtgcgt gccaccgcac catgcctggc 360
tcatttttat ttttattttt tgatagagat aagagtctca ctatgttgcc taggctcatc 420
tcaaattcct gggctcaagt gatectccta cctcagtcct ccaaagctct gagattacag 480
gtgtgagcca ccattgcctgg ccaggaatgc ccactttttg aatggaacct aaacacatcc 540
tcagctaatt aggaaaaaga gctacagtct taccactta caaatcagcc ctcctagtca 600
gtgccccacc acccgccctg cttgtttttt attgaattca tgtggacaca ataaggtgct 660
cattgcctca ccccagcagt gaacgtaagg accccaccac 700

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<210> 344

<211> 700

<212> DNA

<213> Homo sapiens

<400> 344

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agctacagtc ttaccaactt acaaatcagc cctcctagtc agtgccccac caccgcct 120
gcttggtttt tattgaattc atgtggacac aataaggtgc tcattgcctc accccagcag 180
tgaacgtaag gacccccacca ctactcagg tgccctgggc ctgtgcaagg ccacccacc 240
tcccagtaag ggctcatggg cagcaggatt cttgggccct gcctgcccc tgcttttctc 300
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tttttttttt tgagatggaa tcttgctctg tcaccaggc tggagtgcag tggcgtgac 420
ttagttcact gcaagctccg cctcctgggt tcatgcccgt ctctgcctc agcctccccg 480
agtagctggg actacaggca cctgccacca cgccgggcta attttttgta ttttttagtag 540
agacggggtt tcaccgtggt agccaggatg gtctccatct cctgacctcg tgatccgcct 600
gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc actgtgcctg ggccctcccta 660
tgaatttatt ctggaagatc atctaaaaat gtgtgttgct 700

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<210> 345

<211> 700

<212> DNA

<213> Homo sapiens

<400> 345

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acctgccacc acgcccggct aattttttgt attttttagta gagacgggggt ttcaccgtgt 60
tagccaggat ggtctccatc tcctgacctc gtgatccgcc tgccctggcc tcccaaagt 120

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ctgggattac aggcgtgagc cactgtgcct gggcctccct atgaatttat tctggaagat 180
catctaaaaa tgtgtgttgc taagggtttt cctctgttcc acttccccgc cccccctca 240
ccacccccctg ccccatatac ctgtcaccca ggctggagtg cagtgggtgat catagcttac 300
tgtagccttg atctcctggg ctcaaggcat tctccagcct cagcttcccg agtagctggg 360
attacaggca catgccacca cgctggcta atttctgtat tttttttttt tttttagtag 420
agatgggggtt tcaccatgtt ggctaggctg gtgtcgaact cctggcctca aaatgatcca 480
cccacctcag cctcccaaag tgctgggatt ataggcgtga accaccatgc ccggccaagg 540
ttttgcctct gttttggatc ttttcttccc ttattattat tattattaaa ttgacaaata 600
agtattgcac atatttgtgc tgtatgatat aatgttttga aatgtgcatg ttatggaatt 660
gctacatcaa gctacttata caatacttca catatttatt
700

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<210> 346

<211> 700

<212> DNA

<213> Homo sapiens

<400> 346

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cttttcttcc cttattatta ttattattaa attgacaaat aagtattgca catatttgtg 120
ctgtatgata taatgttttg aaatgtgcat gttatggaat tgctacatca agctacttat 180
acaatacttc acatatttat ttttggttaag gcccagactg gactgcaatg gcgcagtctc 240
atattatttt agatagagtc ttgctctgtt gctgagctg aagcaattct cctgcctcag cctcccagat 300
agctcactgc aacctctgcc tctgagctc aagcaattct cctgcctcag cctcccagat 360
agctgggatt acaggtgcct gccaccacgc ccagctaatt tttgtatttt taatagagac 420
agggttttac catgttggcc aggtggtct cgaactcctg acctcaggtg atctaccac 480
ctcagccctc gcaaagtgtc gggattacag gtgtgagcca ctgcgcctgg cctgtcttca 540
tgatttttaa gtatacaaga cattgatata aactgttgtc accatgtcgt acaatggctc 600
tctttaactt aactcctccc agttgaaatt ttatatcctt tgaccaacat cttcctgata 660
accacccctc cagcccttgg tgaccatcat cctactctct
700

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<210> 347

<211> 700

<212> DNA

<213> Homo sapiens

<400> 347

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tgggattaca ggtgtgagcc actgcgcctg gcctgtcttc atgattttta agtatacaag 60
acattgatata caactgttgt caccatgtcg tacaatggct ctctttaact taactcctcc 120
cagttgaaat tttatatcct ttgaccaaca tcttcttgat caccaccctc ccagccctg 180
gtgaccatca tctactctc tgctccctg agtttggctt ttttatattt cacatatgag 240
tgagatcatg tggatatttg ctgtctgtgc ctggattttt tcacttagca taatgtcctc 300
caggttcata catgttgttg tgaatgacag cgtttccttc ttttttaagg ctgtatagta 360
ttccactgtc tatatatagt tttggatctt atcgcagtgc ctcaagttct gtgaaggaga 420
gaatctggat aattgtatca ggaggtcctt agaccatatt taggatcctt ccattgggac 480
tgggcagcaa ggttaccaa ctaaatgcag tggcttcaga tgccaaacca cctgagatga 540
gccacacctc acaggtgagg ggtatggctc cccacaacac tgcccttgct tcagacgcca 600
gctgcacatt caggggttcc cagcccaccc tcaactgtga ctggctgcaa atctgggagt 660
ttccactacc cctcaggttc cagaatgcac taggatgact
700

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<210> 348

<211> 700

<212> DNA

<213> Homo sapiens

<400> 348

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actaaatgca gtggcttcag atgccaaacc acctgagatg agccacacct cacaggtgag 60
gggtatggtc cccacaaca ctgcccttgc ttcagacgcc agctgcacat tcaggggttc 120
ccagcccacc tcaactgtc actggctgca aatctgggag tttccactac ccctcaggtt 180
ccagaatgca ctaggatgac tgacagaact caggagagtg ctatacgtaa ggccacagtt 240

```

ttatcataac	aaaagcattc	aaatcagaac	cagccaaaag	aggagacaca	ggggcgagat	300
ggaggagggg	cccaaacaca	aagctctcat	tgtcttcccc	gtgtggcgtc	agaggcatca	360
ccttctcagc	actttgacgt	gtgacaaaat	gctgactatt	tctaagcagg	gaggctcact	420
tgagcttttg	gggccagagt	ttttatttga	gtcttatcat	ataggtgtgg	ttgatggact	480
cattggccac	tgggttgaac	tcattcttct	ggctctcttc	cgggaggcca	ggctgatatc	540
acagaacctc	agtggcgtag	ccagcccttc	catggtcgta	ttgtcagcaa	aaactaccta	600
gggcccacca	tgagtcactt	cactcgcata	aactctcaga	gaccaccatg	aataataaga	660
tactcctatc	acttgggaaa	tccttaggaa	tttggggcta			700

<210> 349
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 349						
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tcactcgcat	aaactctcag	agaccaccat	gaataataag	atactcctat	cacttgggaa	180
atccctagga	atttgggggt	acctcctggg	aactggtagc	aaggactagc	caggttgttt	240
actccaaggg	tttgtagctg	gtaggacctc	ccaagagcca	ggacaaaggc	cagacttctt	300
ggataaaggt	tgattcttca	ctgcacaaac	tggaggagag	ttatgagaag	agcaggtggt	360
tgcttccaaa	gcaggtgggg	actttggatc	cgatgaacta	ttatgtggaa	tgaagtacag	420
cagcggttcc	agttaacaca	ggaggagagt	catcaagctg	cggacttgct	gggtggagag	480
cttctgccaa	ataggttctc	aaggagagtc	ggggatgcag	aaggggagct	ggtggggagg	540
gcggggttct	ggggcgtagt	tgggggcagt	ggaacagcca	tttatgtgtc	catctggtgt	600
ttttctaagc	accactaaa	gggcagaccc	tgggcttgag	gctctgaggg	cagagctggt	660
gagtgaagaa	ggaatattag	gtgggcacct	tcagctcaga			700

<210> 350
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 350						
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agggcagacc	ctgggcttga	ggctctgagg	cgagagctgg	tgagtgaata	gggaatatta	180
ggtgggcacc	ttcagctcag	aagcagaatc	cagcttgttt	tgtttgtttc	aatggtgaaa	240
tgaggccaaa	gatgaaagga	taaaactgtc	agaacattcg	agagtgaaca	ggagtctccc	300
cagagggcag	aagtggggga	tgggccatcc	tcgcctgcag	ggacagcacc	atggcagctg	360
caggtgcggc	aggtgggtag	agatggggaa	ggtgggtgcc	tgcatgtgca	gggacaaaga	420
ggagggcagt	gatcaccacc	actaccacca	ctgcgaagga	gtctccgagc	ctgcagggcc	480
atgggcagtg	ccttggcggg	gtgtgggtgg	cctgacacca	aagttcagga	gggaggttga	540
atactgctgt	ctctggctgt	gtcggtcaca	ggcccccttc	cctccccctg	gtgagagctg	600
agaaccagcg	cggccccctc	catggatgca	gagtttttcc	ttcaggccct	ggaacgtagc	660
agttatgagc	actgcgtttg	ggagtccagc	aaatgagccc			700

<210> 351
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 351						
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ccatggatgc	agagtttttc	cttcaggccc	tggaaacgtg	cagttatgag	cactgcgttt	180
gggagtcag	caaataagcc	cttatcaact	ctgtgacat	gagtagatca	ttaactctct	240
ctgggtctcg	atcttctcac	ctgtgaaatg	ggaataatgt	ggctcttctc	tgtgaggagc	300
aagtgagtg	ttccatggaa	agtacttggc	atgtgtcatc	cagaaagggg	gtctgttaac	360

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agaggctgct atagtacacg gtggctaaga gagcggacgc tgggcccagg tggctctgtca 420
ggcctggctg ctgtgcctcc tggctgtgtg acctggggca cgctactcag cctcatctgt 480
gaaatagggg tcatagctgt ccctgtctca tgaagttgct ctgaggaatg aatacattta 540
aagttttcaa gtatttagaa tagtgcctgg cacacagtga gtgtgatgat gataatgatg 600
actcctatct tgagttgctg aaatgactga tgcttcatct attaggcaag cccaagtctg 660
gacagggcag tggagatctg gccagacggg cctccccac 700

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<210> 352
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 352
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atagtgcctg gcacacagtg agtgtgatga tgataatgat gactcctatc ttgagttgct 120
gaaatgactg atgcttcac tattaggcaa gcccaagtct ggacagggca gtggagatct 180
ggccagacgg gccctcccca caggttcctc ctggatgtgc ctccctccgc tttgagttgc 240
cgctccttgt tctggtgggt cacggtctcc acactgcagc ccgcctactt tagtatctgg 300
attcattaca gggaacagac acagctgtgg gtgctttagt caggaaagga tttcatgcag 360
gaaagtagggt gcttctaaga atgtcaggag ggctggaggg gcaggctcca ggctggggcc 420
agaaccttaa agacctgacc cactcagcga gccaccctg aggctgcagt gccgggattc 480
caaagctgct gcctctgctg acccctaca ctgtgagctt gctccaggag actccgggtc 540
tgacttccac accatgagtc tgcctcaagga caccctagt ctgaatgacc aggtacatgg 600
tatctgccgc cctccctcc acagcttgct agccttcac taattggaaa agccagatgc 660
tcgcttcaaa ggagtcagaa acgcggcagt caactaggag 700

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<210> 353
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 353
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cacagcttgt cagccttcac ctaattggaa aagccagatg ctgcctcaa aggagtcaga 180
aacgcggcag tcaactagga gaaaggaata caggtcgcac aatgcagccc agtctccacg 240
ggcctcgctt attgatgctt gctgtcccag ccattcctgt ggtccgagtc ggggtgaatct 300
cacctccctc ctcttctgtc agtcctgcag gccagcacc aggagagtgc tttccaacct 360
ccacaggctt agtcatggaa aaaggtgaga cttctctgag ggaggggcac ttaagcagag 420
ttagggatga gccggcttta gccaggagca ggggctgcag ggtgggggtga gtgcgggcaa 480
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ggccgagggg acccagccag agcattgcag gcgcccgtga cagaggcagc tggcgcgaa 600
cgggtgggat ggtggcagg agagctgtgg gctcttgagt catttgccc agcacagtgt 660
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<210> 354
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 354
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gagcattgca ggcgcccgtg acagaggcag ctggcgcgaa tcgggtggga tgggtggcagg 120
gagagctgtg ggctcttgag tcatttggcc cagcacagtg tctaggttaa gacctggtgt 180

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```

cttgggtgccc acggggacctg actgggttctg aatcccagct ctgggtgacc ttggaaaagt 240
tcccccatcc aggcttctct gtaaaactgg gctgattaca ggggcgaggg aatactatag 300
aaggtgacaa atatgaagtg tttgggtgtg tgaccggcat attgcaagcc cccggaaaat 360
gccagcaatc accatcacca ccaccatcat cattaatagc acttggaaat gactgaatgt 420
gggggtgagg gagagcagga agtcgcaggt ggccccaggt ctctggcttg gggaggaggc 480
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ctgagaacag gggaggggtcc agcctgcagg cagtagacat ggaggggtgac taagccaagg 600
ggaagaacac agtggttctg gaaaaagggg tcccgattca gaccccgaga gagttcttgg 660
atctcgcacg ggaaggaatt caaggtagt cgtggtgtgt 700

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<210> 355

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 355

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ggaaaaaggg gtcccattc agaccccgag agagttcttg gatctcgac ggggaaggaat 180
tcaaggtgag tctggtgtg tggtaaagaa aggatgtaga aaactactca gagtaggggtg 240
tcctcagaaa gcatgagcag gaacgccttg tctgcttaaa gcttttctta tataggggtc 300
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aaatttagta ctttgttgat ttaaataatg ttttatcctt ggccttttag tgagtaagta 420
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gtaaacatct catgaccatg ggtagtact ggcaaggaat atgcctagct agttttaaga 600
tggagttgat tttaaaatgg tgtcaccctg gctctcctcc actcctgttg acctaacaat 660
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<210> 356

<211> 700

<212> DNA

<213> Homo sapiens

<400> 356

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gtgtcaccc tgcctcctc cactcctgtt gacctaaca tatggccaag gggtagagaga 180
agacagggga caagaaatga gccagggcac tcctgcgaca ctggaagggtg gtgaggcagg 240
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ggtggaactc agtatgggca tctgggaggg cagctgtgtt gggctgcagg ctgcgtcgta 480
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cggcagcttc atccttgtag ttgttcacac acaacacggg aagacctcac acgctcatat 600
ccaagccacc ccaaagcctc tcctttcact gatgtgacat ctcggttggg tgggtgggtggg 660
gaagggggcgg gggtagagat ggaacaaaat tgacaaaact 700

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<210> 357

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 357

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gttggttcaca cacaacacgg gaagacctca cacgctcata tccaagccac cccaaagcct 120
ctcctttcac tgatgtgaca tctcggattg gtggtggtgg ggaaggggcg ggggtagaga 180
tggaacaaaa ttgacaaaac tggccatgag ttgctcattg ttgacgctgg gcaatggatg 240
cttgggagtg actttcgtgt atatttgaaa ttttctgtaa tagaagattt taaaattgta 300
attgcatagc aaatgtaaat attaacatat atgcacattt atatattata tatttanatc 360
tatactttat ggattatata atatactatt taagtaaata atgtatacga tagcagtata 420
atgtatacat gcatctttaca cacacgcccc tctccagtcc tccactacca caagcaccat 480
cgctccccac cagcatctct gcaggcacct tggcgctcat ctccctgctc cgccttcgcc 540
ctgcggttgcg ttctccacac agcagccacg gtgactttgt taaaatgtga gtcagaccac 600
atcactccat tccacttaga atgaagcccc gtcttgccct ctgaggccct gctgggntcc 660
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<210> 358

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 358

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cagcagccac ggtgactttg ttaaaatgtg agtcagacca catcactcca ttccacttag 120
aatgaagccc ggtcctggcc tctgaggccc tgctgggntc ctgctgccct tgccgtggcc 180
tctgctccag cccgagggcc acccgtgagt gctgggaagg gcatccccag ctgctcttg 240
ctcaagacct tagcacctgc agttcccttt cccttgatga ctttgccccg atctgtgcat 300
ggngtcccc tcccccttgt ttctgcccga tctctgttcc catcttatct catggggagg 360
atctctccaa cctcctcgca taacacagca ctctccctgc tgtgcagccc cggactgttc 420
tatttcccat ggtagcggct accaccgcc gacacactga gtgttctctc gttggcttat 480
tctgtctccc tgctagaagc aaccttggtt tgtttagtgg acccccagca cctagagcag 540
ggtctggcac ccaggcaagg cctcaatcca tacttgttga atgaatgagt ggagctccat 600
ttccacggag cactgagac gtggctgaag taacaacact agaagtcagg gacacagctg 660
gggcttgaag ctgggactag tttcacctg agccccggc 700

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<210> 359

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 359

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caaccttggt ttgtttagt gacccccagc acctagagca gggctctggca cccaggcaag 60
gcctcaatcc atacttggtt aatgaatgag tggagctcca tttccacgga gccactgaga 120
cgtggctgaa gtaacaacac tagaagtcag ggacacagct ggggcttgaa gctgggacta 180
gtttcacct gagcccccg ctatatgctc tgctgtgtt cctgagaggg gaggggatg 240
ggcccagagc acanacacat ggagggcccc atccaagggc acagggaccg aggggaggag 300
agaaacgagg ctggcaggca gtggcataga ctccgctttg cggagctgtg gggaagtagc 360

```

```

tctgcaggct gttggcttct cttgcctttc agaagcaggt ggaaggtcct tctcccaaga 420
gaggcagagc tgctgaggag tctgcaggaa tgctccatct gtcccatag tgtaaatgtc 480
acttcagcct cagagctaga tgggcgccct accctttccc tcccactcc cgctggctcc 540
tgtgccctgg caggccaggg cctagtgaag accccaaga aggcagcacc ttcctctgtc 600
tttggcaatg tgggatctga tgggtccaag agtgcccaac ccatgggagg agcggtgcta 660
gtcctgtctg gctgaggggc tgccttgacg gccctgcag          700

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<210> 360

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 360

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atgggcggcc taccctttcc cttcccactc ccgctggctc ctgtgccctg gcaggccagg 60
gcctagtga gacccccaag aaggcagcac cttcctctgt ctttggcaat gtgggatctg 120
atgggtccaa gagtgcccaa cccatgggag gacggtgtct agtcctgtct ggctgagggg 180
ctgccttgca ggcccttgca gaccccccac tctctctccg agagggccgg ctcccagg 240
aggacttagg ctggtctgag ggtgtctggt gctggtccag ccgggggatg ctgcaaccag 300
gtctcctcac tggcctgtct cgtccacat cctccatgga gcagacatca cgttcattgt 360
ctttttgctt tttaaaaatg aaatttatcc ttgtctccca ttggaaaatg aatgcattgt 420
cattatagaa aatgtgggaa acagatcaga agaaagaaga gtaaataaaa attgcctttt 480
ccaatgtggc atcaccacag ctcctctggc acagggccct gggctgggca gggagtgtgt 540
gactgtgtng ccaacaggcc atcgggctgt gggctctacag gggatgccat cgggtggctt 600
ggccttcctc ccttgagggt ttggggaaat ggtgtccagc ccccgccacg ttgtccacag 660
tgatgcagag agtggagctg acgagagttg ctatatattaa          700

```

<210> 361

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 361

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gtcctcttgg cacagggccc tgggctgggc agggagtgtt ggactgtgtg gccaacaggc 60
catcgggctg tgggtctaca ggggatgcca tcggtggctt gggccttcct cccttgaggg 120
tttggggaaa tgggtgtccag ccccgccaca gttgtccaca gtgatgcaga gattggagct 180
gacgagagtt gctatatatta attttgggtgc ctgcgtcacc tctgaccaca cagcagcgct 240
tgcccaggca ggcagcacat ggctgggggt gtttctgaac gacgctgtga gagaatcact 300
ttccccaaga aaaggtatag cagaggggaa gggagagaca gcaacagaaa gtgaggctcg 360
aagtagaaaa ttgcttcttg gatttcaaat ggctttgtca tggggccctc ccttnctgcc 420
gagaaatcag ttgatctggg aaagtgtgtt gcaaaccctt gccctcttgc ttttgggtgg 480
agctgagaaa tgaatgaaga taatggggtt ttatgagtgt gggggagggt agctgaggag 540
acagccacca gtctgacctc cagcttggtg ccctagaaag gccagatagg agctggccag 600
tgtgtccctg gccaggctgt cctgtctgga acatagtcag cctgncccca gccggacctt 660
cttagaaggg aggcaggcga agtgggaaac aggtttggag          700

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<210> 362

<211> 700

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 362
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 ccagcttgga cccctagaaa ggccagatag gagctggcca gtgtgtccct ggccaggctg 120
 tcctgtcttg aacatagtca gcctgncccc agccggacct tcttagaagg gaggcaggcg 180
 aagtgggaaa caggttttga gtgtgttaca atgcaccagc tagatgaagg gcataggcag 240
 aagacatttc tctttgacct taatgaaaaa gcgataagcc gctggggccag gtgaaggcca 300
 ggcttcaagc tgctgcctcg gtcacaagga aataagatgc gggcctgggc cccttggggc 360
 tgcctccttc tcgtcctgcg caggacaggg ggccagcctc ggagaaacct gccaaagtgc 420
 tgggagcatt ttctgacacc tcctctgagc agcaaaactga ggtgttttgt gccgagttca 480
 ccggaaactc gcgtgtgtct cacttctcac tcaagcccag cctctcttcc agtgaaacct 540
 cctgggctgg gggtcccagc gtgccaaggg gctccccgcc ctgggccccca tggccagcat 600
 ctctctccca ctcaaccaagc actcttctcc cttctcaacc cccttctctc tgagtcctgc 660
 tgagggcctt ccttgtttat gaaagaactt aggccacgtg 700

<210> 363
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 363
 tcactttctc ctcaagccca gcctctcttc cagtgaaaacc tcctgggctg gggttcccg 60
 ggtgccaaag ggctccccgc cctgggcccc atggccagca tcttctctcc actcaccaag 120
 cactcttctc ccttctcaac ccccttctct ctgagtcctg ctgagggctt gccttgttta 180
 tgaaagaact taggccacgt ggtagagaa aactcccagc aaacaccacc agggctcagt 240
 cccaggggag ggaggttccc agccacagtt gcagtgtga cacttaccta ccttgttctg 300
 tcttctcttc tcattcctga cagggccctt tccctgtcgc caccagctgc agcttggttc 360
 tgtggctcag taaggtgtca ctcatccctg gagagcccca cgccctctcc agcccagggc 420
 aactgccagc tgaccacagg tcccccttcc tggggagcag cctggaaggt gtgagggaca 480
 ggagctcggc ggtggctgag gaagtggcga gctgcagacc cctagtgggg cccgggacgg 540
 ccatccgcac tgtgcacctg cctcgcaggc tgtcctgaat gtgtggctca gagcacggcc 600
 ttggaggatc ccgaggaacc ttgccccaca tcagcctcaa ttccagtctt tgttcttgag 660
 ggagtcacgt ggaatttcac tggaagggtt tccatcttcc 700

<210> 364
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 364
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 gcctcgcagg ctgtcctgaa tgtgtggctc agagcacggc cttggaggat cccgaggaac 120
 cttgccccac atcagcctca attccagtct ttgttcttga gggagtcacg tggaaatttca 180
 ctggaagggt ttccatcttt ctggataggc agggcaatac tttggctggg cagagaggac 240
 atgggtcaaa gatgatgcta ctgggagata gatttctagg tcttgtttac aaagtcatta 300
 ccctccgtaa atatccttcc agccttaaac cctaggctct ggatggagaa gaatgccgag 360
 accctgactc ccacccacct cccctggctt ccaagactct ctgcctcttt gcggaagcag 420
 ccactgctca cctccagagg ggaggccctc ccgagggagg acatacagct cccccaacct 480
 gacctctgtg tgtttctaca gatttcttcc aggggtggtc tcttgagtgc atgtggtgtc 540
 ttggttgtca ctagcccagg tgtctgctgt ggggtggtcc cccgcaggta tttctcagc 600
 aaacgtggca ggacttaata ggcttggcac cagagagccg gtctgtctc ctgcccggga 660
 cagcctgctg gagaccacgc tcttgcacca tcacctctt 700

<210> 365
 <211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 365
 agagttcttt caggggctaa atcttgagtg catgtggtgt cttggttgtc actagcccag 60
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 aggcttggca ccagagagcc ggtcctgtct cctgcccggg acagcctgct ggagaccag 180
 ctcttgacc atcaccctct tcaccccccac agtcttctct cctctaggcc aagtgtcccc 240
 tgccccctgc actgtcaggt ttgccttctt ccgtgcctc tccctgggga aagtgagtg 300
 ttctggagta gctggccacc atcatcagcc ccctggcgaa ctccctgcca cgtcctctgc 360
 tgttgctgta atgacacagc catgagcagt cgagggcggc tgncttcagg gacttctgag 420
 catcactgtg gtgttcccat agggctctgg gctccccagg gagggcacct gcctgtcact 480
 acaagtttga gactggttct tgaagacat caccactgc aaaggcatcc catcctggag 540
 tcaccctctg ccctgggcac ctcccagaga gtcacagtga aaagtgttgc tgacgggcat 600
 ggcttgagc tgtggcttgg taaggccgc tgggtctctgc actccagctg ctgaccaggg 660
 ccatggggaa gcaacaagag ctgctgagga gtggcctagc 700

<210> 366
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 366
 ttgaagacca tcaccactg caaaggcatc ccatcctgga gtcaccctct gccctgggca 60
 cctcccagag agtcacagtg aaaagtgttg ctgacgggca tggcctggag ctgtggcttg 120
 gtaaggcccg ctggtctctg cactccagct gctgaccagg gccatgggga agcaacaaga 180
 gctgctgagg agtggcctag ccagagccct gttcacagag gtggtgctg tgtgcaccct 240
 aatggcgaga gctgtccaga aatgcaatgg gctgcccctc aaatataggt agggacctgc 300
 ctgtcagtga gagggccga acaggttgat gacagttgta cagggggaaa aactccattc 360
 aggacaggtg acatttggan agaaataggn aggggtggtta agtgtgtggg ctttggagtt 420
 aaagtgaatt ttggaccca atcccaactt tgctccttta cctcagatga ggctctgagg 480
 ccccaggacc ccagttagga agtagctacg tgacctagg caaacgccc acgcttctg 540
 agcctcacag ttctcatcgg cctcctgggt tgtgaggagg acatggatgt gtgggtgggt 600
 ccagacacag ctggccagtc ctcaggagat gtgattgtga gacttctgg gtctccgtct 660
 gctcctgatg ccctccttga accctgacag tctggcccaa 700

<210> 367
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 367
 aagtagctac gtgaccttag gcaaaccgcc cacgctttct gagcctcaca gttctcatcg 60
 gcctcctggg ttgtgagggg gacatggatg tgtgggtggg gccagacaca gctggccagt 120

```

cctcaggaga tgtgattgtg agacttcctg ggtctccgtc tgctcctgat gccctccttg 180
aaccttgaca gtctggccca agcctctccg tccttgctgg tgcagcagac agaaggtggg 240
gcttccttca ggccatgtcc ccaccctcgg gagctagctt gcattcagcc caggtcactg 300
caccctaccc tcgctgtaat ccatcccagt cccctcctcc aaccaccag cctcccgaag 360
agtcctcag agtcttcaga ccacagacca gtgtcccaa aggccaaaat gaaagacaaa 420
tacaatcagg cctatctgtc accaacttta tttctggctt cagtttgata gtcaatgaaa 480
caacttgttc aatgtccctt cccccagtgt tcaaggtacc cttctatata ttaactcttt 540
gctaacatat ttaatattta aatacnagga aaaacaataa attactcgtt ggctgagagc 600
tggctgctgg ctggcagaca ggagcggctg ttctgcccct ctctgaccc tgctcggat 660
gaggtccga ggccccagga cccagtgag gtagcagaat 700

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<210> 368

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 368

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tccccagtg ttcaaggtac ctttctatat attaactctt tgtaacata tttaatattt 60
aaatacnagg aaaaacaata aattactcgt tggctgagag ctggctgctg gctggcagac 120
aggagcggct gttctgcccc tctcctgacc ctgcctcggg tgaggctccg aggccccagg 180
acccagtgga ggtagcagaa ttctgtacac agtacttatt accagggact cctggngtnc 240
actgctttag tgctgnggnc ctgagtctct gaacccttgg ctccaagtgc naggagccac 300
agtcttcccc aatccccaac ggtgacaaac acactcattt aaataacaca caataataaa 360
taagaccaag aagaagtgtg cctgagctgc tgtctgcctc agttgcctgt gtgtgaagtg 420
ggtcctgtgc ccaccacatg tctggcaagg ggggcancca ctgtaatgct acagtgtgct 480
ctagggcagg ggaggggtgt agggacatgt catccctggg tccaccgagc tcagggcctt 540
ggacagagga ggcccaccag gctgagccct gggcaagggg aaggctgagg tcggctaggg 600
tgaanacggg cagcacaggc tgaggtctaa gctaaggaat tttaccctc cctaaccctc 660
cttccgcctt acccaagaca tttttgacat cagaaagaaa 700

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<210> 369

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 369

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tagggacatg tcatccctgg gtccaccgag ctcagggccc tggacagagg aggcccacca 60
ggctgagccc tgggcaaggg gaaggctgag gtcggctagg ctgaanacgg gcagcacagg 120
ctgaggtcta agctaaggaa ttttaccctt ccctaaccct ccttcccgcc tacccaagac 180
atTTTTgaca tcagaaagaa aaatgaatct gcaacttcaa tagtcagggtc ctgtctctgc 240
aaataatgat gcttttcgaag tttcagttga acngtccctc gcgaaaaagt ttctttaaat 300
gtaagagcag gtccctttaca aactgggcca cctcgatttt ggtgtctcgg anatgcaagc 360
tggaaaactg ctgcaggaca aagaggtcag cacntgagta gaannccaga ggccgggacg 420
actgcacaa accaggggct ttccagggac tgtctcattc agtcctcacg gaagtcccca 480
tgaggtgggt actgttagta cctctactgt acagatgtgg aaattgaggc ccaggtagga 540
gttaggagcc cttgagccca gatcctgtaa atcccgaagg ccacgtccct gctgccacaa 600
tggccccacc cctgggtgna cacacaccat ggatattcag ccagcttccc ttcagcgagc 660
ccaggggttg caggaggggg tgcaggggtg gtgtgagagg 700

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<210> 370
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 370
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agatcctgta aatcccgaag gccacgtccc tgctgccaca atggccccac ccctgggtgn 120
acacacacca tggatattca gccagcttcc cttcagcgag cccagggttg gcaggagggg 180
gtgcaggggtg ggtgtgagag ggtgggggat gccttaccac agctgagacc ctgtgcgggc 240
agaatccgct cagcatcctc tgggtcttct cgatggcact gcagcctgac acgttgatca 300
gggattccag ggctgcacag tactgtgggg aggggacacc gaggggtcag gccctgcttg 360
ggcagctgcc ttttgtgagt ctgcaggaag atggggctga gatgcctggc gcagggtgagt 420
ctgggtggtg ggcggaagg ggccagatta tggcgaggag gaggaganca cttgaagctt 480
gcttgaacc ccagccatgg aaggaggct cagagaagat aagcccaagg cctggagcct 540
ctgccccatc ctccctgcac ccaaaggctc ttaccatgcc agctgtcagg ttgatgctcc 600
ataccatgct gccattgcag agcggancct nntgggagca aagtgcagtg gagcagagtg 660
ctggcagggg ttgtgggcct gccctggcag cccaggccag              700
```

<210> 371
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 371
gaagggaggc tcagagaaga taagcccaag gcctggagcc tctgccccat cctccctgca 60
cccaaaggtc cttaccatgc cagctgtcag gttgatgctc cataccatgc tgccattgca 120
gagcggancc tnntgggagc aaagtgcag tgagcagagt gctggcaggg gttgtgggcc 180
tgccctggca gccaggcca ggtctgcccc agcacaggnc ccacaagcat ccctgggtgtg 240
gcacagaggc aggcctggca ncccctcanc attcctgagc ttcgttttct gctttgaaca 300
gcangcatag gggtaggtc ccactgttta gggctctgga gctgagagaa aaaaattgac 360
accactagta agggacaagc tgcattgcaag gcttgccata gtcagggcag gaggacaggg 420
gcttgcgggg agggccaggg tggggacgag tgaagtagga gtggcctggg ccactgttga 480
ccaagacaaa tcagatggga ggcggtgggg atctggtgta ttaaattgccc tgcccttctga 540
tggtgagggg acactgcagt taggagcatg gacactctgg tggtggccag gcctggcttg 600
aatccagcct ctgtcactta acctcactga accttagcag aatgggttca tcgtacctgc 660
ctcttgaggt ggctggcagt gatgaaatga cacataaagc              700
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<210> 372
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 372
aggcgggtgg gatctggtgt attaaatgcc ctgccttctg atggtgaggg aacactgcag 60
ttaggagcat ggacactctg gtgttgcca ggcctggcct gaatccagcc tctgtcactt 120
aacctcactg aaccttagca gaatgggttc atcgtagctg cctcttgagg tggtggcag 180
tgatgaaatg acacataaag cacgtgcacc aggcctggtg taagcagtcg tcagacatgt 240
gagctgttac tagtggggca aggagcggac tctactaagg aatcctcctg taagggcggg 300
```

```

cctatgatgg tgctggggag aatggctgca ttgttatggg caaaatccag ttggcaaagt 360
ccacatgggt ctgggagggg gctggccctt ctctgctgtc ctctgttcag gaatggctga 420
gtaggagctg gcagtggcag acaaggccag gccaggagag caggtagtcc ctggggagtc 480
tgccagacac ctccataggt ccatccacag tgctgagccc ccagcccag ctctctcttc 540
cctcatggct gggccggggc ttggtccatg gagatttttc ctgacctaca ggcattcttag 600
gaccaggccc agcctgctca tgacctcatc ttgggaatca cccacctgg agccctcata 660
gctaggaccc tggctagccg acactcacct tctggttctg 700

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<210> 373

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700).

<223> n = A,T,C or G

<400> 373

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cttgggtccat ggagattttt cctgacctac aggcatttta ggaccaggcc cagcctgctc 120
atgacctcat cttgggaatc acccacctg gagccctcat agctaggacc ctggctagcc 180
gacactcacc ttctggttct ggggtgatgt gaccagctcc tcaatgagct ccctgagggc 240
tgtagaggga ggcacagggc ctggggaggg aaagccgcca aggcaagtga gagcaatgac 300
cgtggtcaac aaaagcgcca tgaggcccag tgccaacagg agaggattga ggagcggatg 360
cnnangctgg gtggcttggt gccttggcgt cttgtggcag cttttatagg cccaagtggg 420
gacgcctgac accatggtct ctgctttttc aggcactatc tagaaaccac atctttactc 480
atcttgattt tactttgtgg aaaatccagt gtcgcataaa ggaaagagtt tgattttctca 540
tggactttatt gagaaagggtc cagggcagag ttccaagat ctgggtgggt ttaattccag 600
cggcaggcaa ggggccctga gagggcggtg gcatttgcaa tgctgccctg agttccagca 660
gttttgctg tgacaacctt gagtacctgg acagctgacc 700

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<210> 374

<211> 700

<212> DNA

<213> Homo sapiens

<400> 374

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gaaaatccag tgtcgcataa aggaaagagt ttgattttct atggacttat tgagaagggt 60
ccagggcaga gtttccaaga tctgggtggg tttaattcca gcggcaggca aggggccctg 120
agagcggcgt ggcatttgca atgctgccct gagttccagc agttttgcct gtgacaacct 180
tgagtacctg gacagctgac ccaactctga gctcctgtcc tcagaccctt ttgggtcacc 240
agaagtgtct agcagatagt cttagtgcac tgtggctgtg accacagtct accagctatg 300
ggaatttggg gagttttatt ttttcgatga accagtctct taaattactt aagtaacact 360
tgcttgata caaaattcaa acaggcaata gaagagtaaa gttcacttct tttggcttgc 420
ctaattcctc cttggcccca ctgtgagagg gattgtcaaa gttcagattt ccaggtctcc 480
actgagagat ccagaaagat tcagaggtct ttctgggagc ttttttgggt tttttttgtt 540
ttgttttgtt ttgttttttt ggagatgggg tctcactatg ttgcctgcct aggctggcct 600
ccaactccca gactcaagcg atccccccac ctgagcttcc agagtggctg gaagtagtgt 660
gcacgtgtct ggccccctta atttaaagtg tatgggccat 700

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<210> 375

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 375

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ttcagaggtc tttctgggag ctttttttgggt gtttttttgggt tttgtttttgt tttgtttttt 60
tggagatggg gtctcactat gttgcctgcc taggctggcc tccaactccc agactcaagc 120
gatcccccca cctcagcttc cagagtggct ggaagtagtg tgcacgtgtc tggccccctt 180
aattttaaagt gtatgggcca tccttctggg aaactcttaa ctgggccagg ctggcagcct 240
tagtccaggt cagagantgt nnnnnntnct agtgnactg gggcttgggg tgatccccct 300
gtcaccagt ctctgcagga tcaacccctg ccgtctgggg gcctcaaatt tcccttctgc 360
agaatgagtg ctgtggaggg cggtcctgg gcttggcccc tgcagccatg tcgccttttc 420
ctgctcttcc ctctntttcc tagaagtcct ccagaaaccc ccacagcaga ggccacggca 480
tttgctgtt ggggtgtgat gtcaagattt ctccccctacc cacttctctc ccgaaccagc 540
gcctccccag gcccccctctc tgccctgtctc ggctccccctc gtcctgtcct cgatggggct 600
caacctctc acaagggtgt gcttgtgacc ctcttcacaa ggcattgctgg attcccgtc 660
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<210> 376

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 376

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ccttgggtctg tgcaactccc ggagccccgc ccgggtgagt caacgccccct tatcccccat 480
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gctggcgccg cggttgccgc ggcgatggcc cgcggagata ggggggtggc cttatgtaac 600
gggagatggg cccgataagc gggatctgcg cggccgggcc ctctccgcg gcctccggcg 660
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<210> 377

<211> 700

<212> DNA

<213> Homo sapiens

<400> 377

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cgggatctgc gcggccgggc cctcctccgc ggcctccggc ggtggccggt ccgggaggca 180
gggggtggcg cgcagaccgg ccagtctgga agctgcggag gctggcgagg gggcggcaaa 240
ggtggcggtc cgagcgccag gcagggcaag ggccggctgg acaccggggc cagcggtctc 300
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gcacagatgg ctacatcaga gggctctgtt cttgtttcta gattgtcagc ggggatccac 540
tcccgtgcg gtaattttaa ttaacactaa ctaccaaagg gccgtccgg gcacttggcg 600
catgtggctc gcacctgcct gcaatgcgct gcgtggggcg cccgcttatg gccatgggga 660
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<210> 378
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 378
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 tgcaatgcgc tgcgtgggcc gcccgttat ggccatggg agcctcttcg ctttgctctg 180
 gccccgaagc gctgggattg ggacctccct tcctcccgcag cagctcatcc tgggaaagct 240
 ggggttgctt tttcgggttt ctctggactc tgggtctccg ttggcaaaga catgatgcc 300
 agtcaggagg agtaaggcct gagagagttg tttttgtaag tgaaaggatt taatttttta 360
 gatttttatt tttaggaaag ttacgaatgc agataatttt aaaaatcaag aaggctgatt 420
 atgtaaaacg gcagcgctgg gaatccgtgc tctatgggcc tctggcattg ctgctcctct 480
 tgtgagttag gcacttactg ccctgctgtg tcccttactg tcttttaaaag gttgtttata 540
 ggccgggccc ggtggctcac gcctgtaatc ccagcacttt gggaggccga gatgggcccga 600
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 aaatacaaaa aaattagccg ggcgtgggtg tgggcgcctg 700

<210> 379
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 379
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 agaccatcct ggctaacacg gtgaaacccc gtctctacta aaaatacaaaa aaaattagcc 180
 gggcgtgggtg gtgggcgcct gtagtcccag ctaccagga ggctgaggca ggagaatgcc 240
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 aatcacaagg aaggaggaaa aaatatattt cctattcatt aagtggaggt ggaacatcac 420
 aaaggctctt agcgtcactg tcttcacgtt gagcaggccg aggaggaaga agaggagggg 480
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 tgcagttcag aacctgctgt tcaagggtca actgtgtatg taaaaaattc agtggaaatct 600
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<210> 380
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 380
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 actatttttc ttaggtgttg tttttttttt tttttgggtat cctattagtt tatgtaaata 180
 caagcaactg tgaatatatg gtcttatttt cccttgctccc tacatgtgaa gtggcatcat 240
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 cacttagatt gggacatttt atgacttttc tcttttggtc tctcttattg gaactgccat 360
 tttttttgac tatataacct ttggacttgt cctttaattt tctttttatt ctattttcca 420
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 ttgatattct ctaagtttcc tttttcatac ataactttta ttttctgcaa gttttcttta 600
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<210> 381
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 381

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gcgcggtggc tcacccctgt aattccagca ctttgggggg ccgacgcgtt gagcccagga 180
gtttgacacc agcctgggaa acatagggag actttacttc tacaaaacat aaaaaaaact 240
tagccaggca tggttgtgca tacctgtgat ccagctact tgggaggctg tgtgggagca 300
tcacttgagc tcaggagtcg aagctgcagt gagttgtgat cacaccactt cactccagcc 360
tgggtgacag agccagaccc tgccctcaaaa aaaatttttt ttccatctta taggctttcc 420
ttgcacgtta ggtaatcctg gattgcctgc acatgttaaa acagggatct ctgagggtaa 480
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ctcctgtggc agtttctttg tcgttttttt ggcaggcagg tcagctcgcg cagaaaagat 600
tctccctgtc tccagcattc cagcagcaag ggtggagaga gggctggggg gggggcctca 660
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<210> 382

<211> 700

<212> DNA

<213> Homo sapiens

<400> 382

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ccagcagcaa ggggtggagag agggctgggg tgggggcctc agcatctgtt gactgttctt 180
gatttcagca tatttcgacc gccctctact gtgtctagt tttcttggtc cagatatcct 240
atccggagaa aaccctgctg caggagagtc actcgacttt gatgaacaaa aatggatatc 300
taactgtttc ttaaaactgag tttcaacaac ttctcttatt ttcacccctt tctcttctga 360
tgtccttggt cttctccag ttcctgagca ttcttggat tctgtaaatc aacatagggtc 420
tcagctggcc taggattcag ttttcttggg tcagccaagt agtctgcca ccgccccctc 480
actttccacc tttcaaacgc tgggtgctgtc atccatttct cccatttttg tgggttttaa 540
acttttagaaa attcagttac tgtcatttta gttggttata aagtgggagt ttgtgtttat 600
tccattgttt tcatttgga tttatatttt taatgtagag aatttataaa caagacaaga 660
aataagaggc aaacactagt cttgcacccc ttttccttgg              700

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<210> 383

<211> 700

<212> DNA

<213> Homo sapiens

<400> 383

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atztatattt ttaatgtaga gaatttataa acaagacaag aaataagagg caaacactag 180
tcttgacccc cttttccctg gcactataac acctctgtat ctttgctatg cacatttaca 240
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tatgaagagc attctccaat gtcagtattc tgcattttaa aaaagattac acaaaatggt 360
attgtgtaaa gtacagatat gcaaaaaaat aaaaagcccc atagtccag catccagaga 420
taataatcat tgtaatat tggatatctgt catgctagta tgtggatatg tacagggtaa 480
gtaccttatt ctaaaaataa aagggaataa actttttttt tttttctttt tttttttttt 540
gagacagagc cttgctctgt cacctacgtt ggagtgcagt ggcaccatct tggctcactg 600
caacctctgc ctctcaggca caagcaatcc tcccacctca gcctcctgag tagctgagac 660
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<210> 384

<211> 700

<212> DNA

<213> Homo sapiens

<400> 384
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acaagcaatc ctcccacctc agcctcctga gtagctgaga ctacagggtga gccaccacac 180
ctggctaatt tttgtatttt ttgtagagac cagggtttcac catgttgccc aggctggctc 240
catactcttg ggctcaagca atttgccctgc cttggactcc tgaagtgcta ggattacagg 300
tgtgagccac tgtgcctggc tgacatatct tatttactta ttagtatttt ttttgagatg 360
gggtctcact ctgacaccca ggctgaggag caatgggtgca aacacggctc actgcagtct 420
caaacccttg ggttcaagt atcctccac ctcagcttcc tgcgtagctg ggactacagg 480
gcaccatcat gccacacac attggctgat ttttaatttt tttttgtaga gataggggta 540
aaccttttaga cttaccacgg ttttactaat accagatcaa agagggtgcaa gataaatgtt 600
tgccttttat tgcctgtctc ttttataaat tctctgcatt aaaaatataa attccaagta 660
aaaacaatgg aatgaacata aactcccact tcataaccac 700

<210> 385
<211> 700
<212> DNA
<213> Homo sapiens

<400> 385
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cttttataaa ttctctgcat taaaaatata aattccaagt aaaaacaatg gaatgaacat 180
aaactcccac ttcataacca ctcaaaccat agtagcaaca acctatcct gttgcccagg 240
ttggctctga actcctgtgc tcaagtgatc ctcttatctt ggccctccag tgtgctggaa 300
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ccccggaaga caaataatta caaataattc ccataacaat gataagttca tacattcatt 420
aagtaaatgt ttattgagtg cttactgtgt aggtgctaaa caaacagca cagtctctgc 480
cctcttagag atacattcta gtgggtagag ataatgaaca aacacatgat atatagtag 540
ttagaccgtg aaaagtacag tggagaggga aaaaaaagag ggcaggtaga atgagtgagt 600
acactattat atatgggatg gtgacgtaag gcatcactga gaagggtgta tttgagcaga 660
gacctgaagg atgagaggaa gtggccatgc agatatttgg 700

<210> 386
<211> 700
<212> DNA
<213> Homo sapiens

<400> 386
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gtggagaggg aaaaaaaga gggcaggtag aatgagtgag tacactatta tatatgggat 120
ggtagacgta ggcatcactg agaagggtgt atttgagcag agacctgaag gatgagagga 180
agtggccatg cagatatttg ggggaagaaa tttccaagct gaaggcaca gtaagtgcaa 240
aggccctttt cttattttgt tcatgctgct gtaacagaac acctaaagact gagtaattta 300
taaataataa aaatttattg cttacagtgc tggagggttg gaaatccaag atcaaggctc 360
cagcagaatt cgtgtctggg gagggctgct ctctgctccc aagatgggtgc cttcttctg 420
tgtcctcatg tggtagaaga gccaaaggga agaactttct ccctcaagcc cttttatgag 480
gtcatgaatc ccattcctcc atggccta atcactttta gtgccccact tcttaatagc 540
atcaccttgg ggattaagtt ccaatgtatg aattttggag ggaaacatac actcaaacca 600
tagtagcacc aaagcaggaa aatgccact gtgctgagaa ttagcaagga aagccagaag 660
gagtgagggg aggcattggga gaagatactg tcagagaagt 700

<210> 387
<211> 700
<212> DNA
<213> Homo sapiens

<400> 387
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aaatgccac tgtgctgaga attagcaagg aaagccagaa ggagtggagg gaggcattggg 180
agaagatact gtcagagaag tatgtccaga gcatatggag acttgtaagc cattgagagg 240
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gaaaagatac aaaaatagta cagacagtht ccatatcccc tccactttacc cagctttctcc 420
caatggtaac acattacata atcatagtgc aatgatcaaa aacagaaaaa tgagcatgga 480
thttattaagt aaactggatc ctattctaat ctcaccagtg thttccattca catctthttt 540
cagthttcaag atcaaccag gatctcacag tgcattgagt taattctctt tggctctctg 600
cagthctgaat ggthctctcag thttgtcttt cataacgctt acathtttcca ggaatactga 660
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<210> 388
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 388
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gtctthgtctt thcataacgct tacathtttcc aggaatactg atgagthtatg ctgtcaaatg 180
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tgataaaatt actatcttht cctthtttagt taatatattg ggaaagatag thttgagatta 420
tataaathtt thctcagatt thgtgcctact aatattagct thcatcagtha ctctthgtctg 480
aaatgathtt thattgtggta thtgccctagt gatgacttht cthttthccct thctthctac 540
atthtattact thgaathtcta ctataaagaa thgtctgtct thgtccctcat thttthttaa 600
gtaagtactt thgtatagcc acataagtht atgaathatt thttthactct atcggttata 660
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<210> 389
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 389
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cacataagth catgaathatt thattthactc thctggthtat aatccaatac thgtctthatt 180
thgtthtctca aattgtthcta cctthgatca thgggagthta ctthcaggthg ggtthctgtgt 240
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aaaaaathct agggthcatt thgtatthtcc thgtctcagc cctgaagthca accactthac 360
caaggagcca gaththcttht thattgaagag cgtgthtttaa aatcgagatc thgtgaagtag 420
gtgtctctcat thattactggg thgtcatcac actgggcccct cthttaaataa cthttgtthact 480
thctactataa gthttthcatta thttctthagt ggtthaccctg gggattacaa atgaacacct 540
thaatttagat gaathgtcaac thaatthtcca thtcaaaaagt thcttatatag ctctgttgcc 600
thctctthtt thtagcattat thgtcatataa atthatathtt thatacattat aagcccatca 660
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<210> 390
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 390
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thgtcatata aaththattth thatacatta thagcccact aacagthgtta aaththcttaa 180

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agcatttgag	tctagtttca	ttttacccta	aaggattcat	tctcctttta	tatttcttgt	660
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<210> 391

<211> 700

<212> DNA

<213> Homo sapiens

<400> 391

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attttaccct	aaaggattca	ttctcctttt	atatttcttg	tagggcaagt	ctggtgaaga	180
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ctacagttag	ctatgattgc	accactgcaa	aaataattct	tggttgatag	tctttttcat	540
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cacttcttag	ctttacttgc	ttctttcggt	tgagatctct	ttttcaacaa	tttgaccatg	660
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<210> 392

<211> 700

<212> DNA

<213> Homo sapiens

<400> 392

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agactgtata	atctcaattg	accggtcttt	gaactcactg	attctttctt	ctgccagttc	480
aaatttgctg	ttgaccccca	tctagtgaat	ttttatttcc	attactgtat	ttctcaactc	540
cagaatatct	atctgattct	tttttataat	gtttgtctcc	ttactgatag	tcctgataat	600
ttggtgaaac	atcattctca	taatttcctt	taattcttta	gactttgttt	ctgttagttc	660
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<210> 393

<211> 700

<212> DNA

<213> Homo sapiens

<400> 393

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ataatttcct	ttaattcttt	agactttggt	tctgttagtt	ccttgaacat	gtttataata	180
gctgatatct	aaagtctttg	cctagtaagt	ctaactctg	ggcttctctc	tagattgttt	240
ctattgactg	ttttttaaat	tgctgtttat	ggcatgggtc	agatgttctc	gttctttgtg	300

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tgtcttgttt taaatactct atcaattatt gaagtcagat tacctactct ccagggcttg 360
cacctgttac tatttcttat tgttgtgct gttgggtttgt tctgtgtctt tcctggacta 420
attctgcaaa ttctatatgc tttgtcatgt ttgggttcctg aagtctctac tcagcctagt 480
gggtaagcga ataattggac agatatttct ttctaagcc ttgaaccaat aaattttcta 540
gcttttgtca agtgtgtgca tgtgtgtgta tttgtggagt catgtcattg atgtgtcagc 600
agacagttta caactgcctt tatcttcatt tctggcatga attgagtttc aaggtcagtc 660
agagatgaga gcttaggacc ctctcaggac atgcatacat 700

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<210> 394

<211> 700

<212> DNA

<213> Homo sapiens

<400> 394

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cagatatttc tttctaattgc cttgaaccaa taaattttct agcttttgtc aagtgtgtgc 60
atgtgtgtgt atttgtggag tcatgtcatt gatgtgtcag cagacagttt acaactgcct 120
ttatcttcat ttctggcatg aattgagttt caaggtcagt cagagatgag agcttaggac 180
cctctcagga catgcataca tccctgcaca tgcacatgga cttctagatt cccaggaata 240
tgcttgagct tgtcaaaagt cccgtggaca tcttcttccc agatttttcc ttttaagttt 300
cttggtcagc cttttgttag ctccacctgg taacgctgcc tcaggcagcc acagggttaa 360
tcagttgcca ctgattattc tgcaggaagg gctgttttca gagtgaagctc tgagttaagt 420
caaataaaga taggtcctga aaatggagct ttccagtgaag ttgccagaca agacaaatag 480
aggcagttct ctagtagtgg agatctgggg gacctccaaa tctattctgt ctctccagt 540
ggctactagg ttgctgattt tcacagatac taagagggct gttgggtttc aagttaccat 600
ggattaagag agaagggcat gggattaggg caacttaaaa tgccactttc tgctctgaga 660
ttcagctggt ttcctttaat aaacacacct cagtttgtcg 700

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<210> 395

<211> 700

<212> DNA

<213> Homo sapiens

<400> 395

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gagatctggg ggacctccaa atctattctg tctcctccag tggctactag gttgctgatt 60
ttcacagata ctaagagggc tgttgggttt caagttacca tggattaaga gagaagggca 120
tgggattagg gcaacttaaa atgccacttt ctgctctgag attcagctgt tttcctttta 180
taaacacacc tcagtttgtc gctatccatt agttaatttc caaagttctg aaaaagttga 240
ttttgacatt tttgccagtc ttattgcttt tatgaagaag cagatttttg atggctttta 300
ctccaccttt atggaagtag aaatccttta gatattaaaa ttataaatgt gtacagatcc 360
tttgatttca atcaacacca aggggttctt tttatggcct cctttcctga tatgcaaaaca 420
cctttttcca acagtgaaga actcagttcg tattatctac aacacaggta tgtatttgtt 480
tgactttagt atgtacataa aaatttcgaa attgctaacc cacacccctg tgagaaacac 540
attttcttga gttacttttt aaaaagatca ctggctgctg tgttgagaac tacagggagc 600
aggcccaaaa tcagtgggag cagttacgtg gttactcaga ttattcaggt tagagatggc 660
agtggcttgg accagagcaa tgatgggtta gatcaggggt 700

```

<210> 396

<211> 700

<212> DNA

<213> Homo sapiens

<400> 396

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aaaatttcga aattgctaac ccacaccctt gtgagaaaca cattttcttg agttactttt 60
taaaaagatc actggctgct gtgttgagaa ctacaggagg caggcccaaa atcagtggga 120
gcagttacgt ggttactcag attattcagg ttagagatgg cagtggcttg gaccagagca 180
atgatggttt agatcagggg tcccaaccc cgggctgca gaccattacc tgcctcagc 240
ctgttaggaa cagagtgcga caacaggagg tgagtgaagc gtgagggagc attaccgcct 300
gagctctacc tcctatcaga ttggtggtgg cattagattc tcacgggagt gcaaactcta 360
ttgtgaattt gcacgtgagg gatctaggtt gcgtgctcct tatgagaatc tgactaatgc 420

```

```

ctgatgatct gagatggaac agtttcatcc cgaaaccatc cccctcacc caccggtcca 480
tggaataatt gtcttccact aaatcggtct ctggtgccaa aatggttggg gactgctggt 540
ttaaatggtg aggcattggtc agattccgga tgttttgaaa attgaaccca tagtattaaa 600
ctgacgaatt agatataaga tgtaagataa agaatcaagg ataatgcca tttttgcctg 660
agcaattgga ataattggagt tgccattaac agaagagatt

```

```

<210> 397
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 397
taaatcggtc tctggtgccaa aaatggttgg ggactgctgg tttaaatggt gaggcattggt 60
cagattccgg atgttttgaa aattgaaccc atagtattaa actgacgaat tagatataag 120
atgtaagata aagaatcaag gataatgccaa atttttgcct gagcaattgg aataatggag 180
ttgccattaa cagaagagat tcaagtcttg ggagaaagac tggttttggt cattttaagt 240
tttagacgtt tattagatat tcaagtgcag atagatgccc agttatccac aggcagctga 300
atatatcagt caagcattta ggagagatct ggattggaca caaacattta tgagttatca 360
gtgtatagat ggtggttgta ggagtgggtc gtgccctgcc tatatcctat gatcctagga 420
actgccagtg tgctcctgcc aactttcagc tgctgctgct tttttttttt tttttttttt 480
gtctttttag acaggggtctc actctgccac ccaccaggc tggggtgcag tggcacaagt 540
cacagctcac tgcagccttg aaccctcaga ctccagggt cctatctcag ccaagtagct 600
gagactacag gtgtgcacca ccatgccttg ctaatttttt aaaaatttta tgtaaatgatg 660
ggatgtcact atgttgctca gactttcttt ttaactgtg

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```

<210> 398
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 398
cactctgccaa cccaccagg ctgggggtgca gtggcacaaa tcacagctca ctgcagcctt 60
gaaccctcag actccaggga tcctatctca gccaaagtagc tgagactaca ggtgtgcacc 120
accatgcctt gctaattttt taaaaatttt atgtaaagat gggatgtcac tatgttgctc 180
agactttctt tttaaactgt ggaaagcagc tgtgtcggtta cacatggcaa gccagtaact 240
aacatgtgct agaatagcct tcaactcagta accctggcaa gttgttatat aaatactcca 300
ggtctcttgc cccttaggtg ggataattct gaggtatata ttttgccaaa ctcccagag 360
tctccctggg gcaccaaact ctaattgcc acttaccgta gctggcttaa tagtaaaactt 420
ttcattggct gctttctctt tcatacacia tttcccaaat ttcctactga ttactttcac 480
gtgaagcatt gttttacgct ctgcttcttg gagaacccaa actaagataa tttaaagcta 540
tgagactgga tgagatcacc aaataagtga gcacagagaa gaaaagaggc gcagactctg 600
agtactaaaa cctgtgacat tgaggggcca gggaaatgag gaggaaacag caaaggaaac 660
gggatgtgca ggtgttgca gaggaggga gagctggatt

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<210> 399
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 399
tctgcttctg ggagaaccca aactaagata atttaaagct atgagactgg atgagatcac 60
caaataagtg agcacagaga agaaaagagg tgcagactct gactactaaa acctgtgaca 120
ttgaggggcc agggaaatga ggaggaaaca gcaaaggaaa cgggatgtgc aggtgttgca 180
gggaggaggc agagctggat tccagtggg ctggggattg tggggacagt ttgagtacaa 240
tgcagtggag ggtgacataa tgatgagcca tggaaattta gttgaataag gagagaagta 300
caggcatcag ggaaacaacc tgtgaaaaag ccatagaatc aatggattga aatctcagt 360
gggtcaaaga attgctgggg ttgaggacca caggaaaatt gtagacacca tggggttatt 420
ggagagtgg atgcttaaaa ctgagatttt ggaggggtgc agttattgtt attaaaagga 480
cggggctcta gaataagacc atagaactga gtatcttctc actggaggaa acaaaaaggg 540

```

```

gctgagggag gccaaaggtag gcagatcact tgaggccaga cggtcaagac cagcctggcc 600
aacaaggcga aaccctgtct ctactaaaat acaaaaatta gcctgggtgtg gtggtacatg 660
cctgtaatcc tagctacttg ggaggctgag gcaggaggat 700

```

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<210> 400
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 400
catagaactg agtatcttct cactggagga aacaaaaagg ggctgaggga ggccaaggta 60
ggcagatcac ttgaggccag acgttcaaga ccagcctggc caacaaggcg aaaccctgtc 120
tctactaaaa tacaaaaatt agcctgggtgt ggtggtacat gcctgtaatc ctagctactt 180
gggaggctga ggcaggagga ttgcttgtat cagggaggca gaggttgagc tgagctgaga 240
tggtgccatt gcactccagc ctgggtgaca gagcaagact ccacctcaaa aaataaaaaa 300
gactgagagg ccaaggaggt gtattagacc atcacttgga tattgaaatc agcaatgatt 360
attagtaatg gggtgacact gaaccgggag ctaaactctt caacaaataa gagggagtga 420
ccaagctggg aatgaaagat aactgcaaca agagtgaat gaagacagct ttttcttgaa 480
cacttacaca gtatttagta ggtggcaagc agttctaagc agtttgtaaa taatgtcatt 540
caatcttcat aacaacccta caaaatatgt accattttac ccacttttac atataaggaa 600
acagaaaaca ggacaaataa cttgctcaag gtccccagct agtgagtggg gtgctaggat 660
ttgagcccag gcagtctggc tcattctaac ctccatccat 700

```

```

<210> 401
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 401
aggtggcaag cagttctaag cagtttgtaa ataatgtcat tcaatcttca taacaaccct 60
acaaaatatg taccatttta cccactttta catataagga aacagaaaac aggacaaata 120
acttgctcaa ggtccccagc tagtgagtgg tgtgctagga tttgagccca ggcagtctgg 180
ctcattctaa cctccatcca tgctgtgatg gctattcatt ccaatgtggg gaagggggat 240
atltggagac tgatctagaa gcagcaatga gaagccagaa aggcacctat cccacctcca 300
aaccatggg cttcttgga tgaaagcagc cactctcaga agtgctgcca aggatgccac 360
atattcaggg ggaaaccaga tttaaaattg ggaagtctgt ttttaacttg aaatgatact 420
tttgtttcac tgcctatatt gatcgtgtat tgcctttgtt attctttgct gcaacaacta 480
gcactttcat taacatgttg atagaaggta actggcttta atatttactg agaaatgttt 540
tattttgcag ttaagatgac tgtttaattt tgatttagca acagataaca ttaagaaaat 600
attatttgca aaactgtgag tttgctaaag ctaggagatg ttgaatttta tcaaatatag 660
ctgctagant tttttcagaa tttttttcac ctctgggttt 700

```

```

<210> 402
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 402
gatagaaggt aactggcttt aatatttact gagaaatggt ttattttgca gttaagatga 60

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ctgtttaatt ttgatttagc aacagataac attaagaaaa tattatttgc aaaactgtga 120
gttttgctaaa gctaggagat gttgaatttt atcaaataata gctgctagan ttttttcaga 180
attttttttca ctttcgggtt tattatagtg atggatttat caacagattt ttcattttct 240
gaaatcttgc attcttggga taaaaatata ttggttattg tggatgttta atatatgact 300
agaattgatt tgctcttaat cttactcgtg attacattta ggaccccccc ccaccccacc 360
accacccccca ggatactctg tcttaaggct cttagcttta atcacatctg caaagtttcc 420
tttgctgtat aaagtaacag tcacgggttc tagaaatcag gacctgtcta tctttggggg 480
ccaaccattt aacctagcac agatagatgc cttaggacct tagggcttaa ttctcttctg 540
gaccagttg agaaaagctg tctaggcaaa catgctcatt atagctacag atggcacaaa 600
accatgccat gtgactgaat caagaccggg tatggtcctg gctgactctg aatgacaaaa 660
ctctacaaag cataattcaa aagcgtgtga cttggttgca 700

```

```

<210> 403
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 403
cagatagatg ccttaggacc ttagggctta attctcttct ggaccagtt gagaaaagct 60
gtctaggcaa acatgctcat tatagctaca gatggcacia aaccatgcca tgtgactgaa 120
tcaagaccgg gtatggctct ggctgactct gaatgacaaa actctacaaa gcataattca 180
aaagcgtgtg acttgggtgc attctgtgtg gaatggaagg attcaagatg tcagctggca 240
attccaggaa aaactgtgat taggcttttc ttagaagtgg catctgaaga gcaaattggag 300
aggcctgttc ttcagggtct gggtggaccc tacaggggagc aggccttgac tctgtgagt 360
agcctggctt gccttcacac tggcaatgcc cacttagaga ggaatcagga ttgatggtga 420
agccagtatg ctacacagga tagacgcaga ggagtgttac aggccttctc acgatgggca 480
gatcaggcct caagtgggtc gagctttcca aagggtgggtg tgcacagtgg agaatttctc 540
ctctgtagag agagctctga gtctggatga ccctctggaa gggatatgta ggagaagaag 600
gtggtgggta ctgacttaga tgattactta aggttctgtg caaactttga gacccattc 660
aactacttca aatttttagtt ggggaaacca agtcccagag 700

```

```

<210> 404
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 404
agagctttcc aaaggtgggt gtgcacagtg gagaatttcc tctctgtaga gagagctctg 60
agtctggatg accatctgga agggatatgt aggagaagaa ggtgggtgggt actgacttag 120
atgattactt aaggttctctg tcaaactttg agacccattt caactacttc aaatttttagt 180
tggggaaacc aagtcccaga gagagaggtc actggattta taaagttaaa agcagagcca 240
aacatacatc tcaccatttc tggctatcct cagatattaa tactcagttt ttcaaaccac 300
atgcaaggaa gtaaattcag aggtaacatt taactatgat ttaaaaaaat accaaaacca 360
taaattttca aggcagtaat tatctccttc tcaacagtgc tttgagaaga agcatgcatt 420
tgcactgggg agggaggcac agagtcgagt ctggctgta ctgctgaacc ctgaaggcct 480
gacagaggct gcttggatg ggatgaagag cagcaaatca gaaacaggca atctgtccaa 540
ttttcagtga aacaagtttc atgatttttag aacctctcaa catccaaaat cctagacaca 600
atgttctctt gaaagaatat attttcttat tgactaagtt gatatgagaa ataagtttct 660
tattatacac tttctgagga cctacatttc tatggcattt 700

```

```

<210> 405
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 405
gggatgaaga gcagcaaata agaaacaggc aatctgtcca attttcagtg aaacaagttt 60
catgatttta gaacctctca acatccaaaa tcctagacac aatgttctt tgaaagaata 120
tattttctta ttgactaagt tgatatgaga aataagtttc ttattataca ctttctgagg 180

```

acctacattt	ctatggcatt	taaatcttgg	atatttttaa	tgaacattga	atcccagga	240
gctaacactg	catttcacaa	tctctgagca	ctgatcgatg	ttctttttta	tcctgtagaa	300
tttctccaca	tattcagaac	gtcctaaaag	ctccacaaaa	tcttcatcat	gagtgttac	360
cagaagctgg	aagttacgct	gctgtgagcg	acttttttatt	atcctgcaac	aatatattca	420
gaacatatta	ttagtaaaga	gcataacccc	ttcttttgatt	tgaaaagtca	ccgcaaacct	480
tgtcagacac	atgaacttgt	gctgtgtgtc	agggccccag	ctaccctgca	ggaagtggag	540
gggtggcccc	aggccttcag	gccagccagg	caggagtctc	ttctcctctc	cagacagtag	600
ggacacatgg	cctgactcct	cacttaggtc	tggcttaggg	actcacagga	atacaagaac	660
tagttttctt	cagatcagaa	gttctcacta	aagcaggtat			700

<210> 406
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 406						
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ggccagccag	gcaggagtct	cttctcctct	ccagacagta	gggacacatg	gcctgactcc	120
tcacttaggt	ctggcttagg	gactcacagg	aatacaagaa	ctagtttctt	ccagatcaga	180
agttctcact	aaagcaggta	taaaattttt	attgagtttt	ccttaatatc	caaactgttc	240
aactatagaa	ggcttactcc	ttcgccctgg	attttcctga	cctgttacta	cttttctctg	300
gaagaaaaat	ttaaaagtaa	taaagacaaa	ctacaggtaa	ggggaataac	actgctttct	360
taagagctgg	gtctacttag	aattctgcca	ccaccagtca	ctagatgcat	cattactatg	420
acacacaggg	acctgagtgg	gtgttctggg	aacattttgc	tgaggtaacc	agcaatgtga	480
ctgaaacctg	aaagactttt	tcttttagct	agccacttat	ccccttcctg	gagctggatg	540
catttgaggt	ttcaaaagca	ctcgccctta	cttgtgatga	tggctgcaga	aagggtggcc	600
tgcgctgctg	agctctcctt	ctggccctct	ctgccagaaa	gggactgtct	ggagccagga	660
gtgcctgaaa	cacctccttt	gacctcaggg	aaactgcctt			700

<210> 407
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 407						
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actcgccctt	acttgtgatg	atggctgcag	aaagggtggc	ctgcgctgct	gagctctcct	120
tctggccctc	tctgccagaa	agggactgtc	tggagccagg	agtgcctgaa	acacctcctt	180
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gttctctgac	acatgtggaa	agctggggag	acagtcctaa	acccactacc	actacctgca	420
gatgtcttag	cagggcatgc	taattgctgt	gcatgacatg	tgggttcctc	tggtaggttt	480
acaggaaaaac	caggccagga	acccctcaca	gtgactctct	ccctgtgaac	acacttgggg	540
agctgcagga	tgtgtctggg	gctgctgttc	accatctagt	tccttttagga	gggatctgaa	600
gaattactat	caaaaggtaa	agcccagggc	ctggcaccaa	ctggcttccc	caagaagtgg	660
ggaacacagc	tagagaacgt	tttcatcaca	gaactctctt			700

<210> 408
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 408						
aaccctcac	agtgactctc	tccctgtgaa	cacacttggg	gagctgcagg	atgtgtctgg	60
ggctgctgtt	caccatctag	ttccttttag	agggatctga	agaattacta	tcaaaaggta	120
aagcccaggg	cctggcacca	actggcttcc	ccaagaagtg	gggaacacag	ctagagaacg	180
ttttcatcac	agaactctct	tggttttgaa	gaactatcac	aacctgtccc	caaatgtgag	240
atacttactc	aaccagagca	tgtgcaagag	atacttactc	aaccagagca	tgtgcaagag	300

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attcaatggt ttctcgggtca agatttggtg ttgggtcatc caaggcaatg atgccacagt 360
tgaggcagaa cgtttcagcc agggccaggc gaatgatgag tgaggctaata acctggaaaa 420
aagccccatat gtgagaagcc cagcacagac cttctcatct catggcaggc aagcagtcct 480
gacatgatct tttcagcagg gaaaagtggg aaacgtcaca ggttcactgt taggtaaagc 540
actgccctct gggagagccc agcactggga ccagattctt atgtcctcca gaaggagaac 600
ctgcatgata tcagcctatc attcaccaca aaacaaaatg ctcagaacaa cgctgatgct 660
ctcacataaa aaattacatc agctacaacc aacttgagac 700

```

```

<210> 409
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 409
ggaaaagtgg gaaacgtcac aggttcactg ttaggttaaag cactgccctc tgggagagcc 60
cagcactggg accagattct tatgtcctcc agaaggagaa cctgcatgat ctcagcctat 120
cattcaccac aaaacaaaat gctcagaaca acgctgatgc tctcacataa aaaattacat 180
cagctacaac caacttgaga ccaaaggcta gaaacagaga caatgccatt tatctgtaat 240
tttaataatc ctgtaagatg agcaacctta aaaattcttg acctggctat ttgcctgata 300
atgggatctg ttagaaaact tcgacacgtt ttctagagcc tctcactttt tctctgtac 360
ctttaaattt ccatattctt gtgtataatc ctgagactga gagaataaaa aagaaaatcc 420
taggtcaaag tatcaggagt atagaaatgt ggtttcagtt aagcttacct gtagaaaatc 480
caagtaactg gaactgttag gcattttcgt ggttactaga aacctaatat taaaacctc 540
agaccactg aaaccatctg aggatacaag acacacagaa ttgagagagt agggctattc 600
taggaagtat aaactactct ggtgtgagct gtaagtcccc tttccccctc agtttgtggg 660
tgggtgcgca cacatcagtg agttggtaat tttagaatag 700

```

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<210> 410
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 410
ggcatttttcg tggttactag aaacctaata ctaaaacctt cagacccact gaaaccatct 60
gaggatacaa gacacacaga attgagagag tagggctatt cttaggaagta taaactactc 120
tgggtgtgagc tgtaagtccc ctttccccct cagtttgtgg gtgggtgcgc acacatcagt 180
gagttggtaa ttttagaata gtttatgtct tttctttaat gcctaggcaa gccagaagac 240
agggccacag cttggccctg tgagggacag gcatttcctt cctgtctttg aatccaaact 300
gctgtcaact ctaccaccac ccactcacat gcagagcccc tggctggctg ctagagcctc 360
agcaaaagcc agtgttagggt aggctggagg cccacctcca ttatttgttc tctccccca 420
caccaaggag acaattattg ctaattaatt ttcataactc agaataagta caaaaaatct 480
ttttcctcaa gatatttttg aaagtatttt taattcaaag agaccatgtt tcaaactctg 540
tattttctca tttataatta ccactaaaaa tcatcaaagc acgtagggat actgattaca 600
gatcacaagt ttgtcatttt tgtagactat gatttagaca gtaatctgca gatgctttta 660
attgggatca gctgtctagg ctgacaacat aatacatata 700

```

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<210> 411
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 411
gaaagtattt ttaattcaaa gagaccatgt ttcaaactct gtattttctc atttataatt 60
accactaaaa atcatcaaa cagtaggga tactgattac agatcacaag tttgtcattt 120
ttgtagacta tgatttagac agtaatctgc agatgcttta aattgggatc agctgtctag 180
gctgacaaca taatacatat atgcatggca tgttcttttt tttttttttt tttgagacgg 240
agtttcgctc ttgttgacct ggctggagtg caatggcacg atctcggtc actgcaacct 300
ccgcctccca ggttcaagca attctcctgc ctcagcctcc cgagtagctg ggattacagg 360
cacatgctac catgcccagc taatttttgt atttttaata gagacggagt ttcaccatgt 420

```

```

taggctggtc tcgaactcct gacctcaggt gatctgcccg cctcggcctt ccaaagtgt 480
gcgattacag gtgtgagaca ccatgccag ctgcatggca tgttcttta gcaaaaactg 540
caaactatga aaatgagtta gataatgtaa gcattctatt ctatgatttt agaattttat 600
ttaaaaaaag tcaagggcct agaggtgtta tcaagtgtaa tcttctgcct tgatctgaaa 660
gcagaaaagct caagtatctg tgacatcttt gttacaaacc 700

```

<210> 412
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 412
accatgccc a gctgcatggc atgttcttta agcaaaaact gcaaaactatg aaaatgagtt 60
agataatgta agcatctatt tctatgattt tagaatttta tttaaaaaaa gtcaagggcc 120
tagagggtgt atcaaagtgt atcttctgcc ttgatctgaa agcagaaagc tcaagtatct 180
gtgacatctt tgttacaaac ctgtgcacag tgaaggatcc agccttggtc cccaaggatg 240
ccatattcct gattctttaa aacttcattc ctcttcctga tttccaatgt aggctgtcct 300
cacagagcct tacctgaagc cagatggcct gacccagcag ctaagtcttt gtgtatgctg 360
tggtagggac ttagttctat gaggggctac tttcttaatg agactcctta ctatactgga 420
atattcattc tagcttaagc tagaatctgg tttgcaatac tattatgtca ttgattctga 480
aacatcttat gggtataaatt gcattttttc attcctgctg gcacataaaa tagtggtatg 540
tcttataact gatgagacag tgaccttatt ctgataagga gtgccatgaa aactctaacg 600
ggctcttcagc ttcttggtct acatttagcc tatcctgtga gaatgcttca ggcccttctt 660
ttaaaagtct acataatgtt gcaggaaatg ttggttagct 700

```

<210> 413
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 413
tgcatttttt cattcctgct ggcacataaa atagtggat gtcttataac tgatgagaca 60
gtgaccttat tctgataagg agtgccatga aaactctaac gggctctcag cttcttggtc 120
tacatttagc ctatcctgtg agaatgcttc aggcccttct tttaaaagtc tacataatgt 180
tgcaggaaat gttgggttagc ttcaggagag tgtaataata gtagctgagc ctgattcatt 240
ttatatagca gcaaaagagc tcccaccatt caggtgtagc cttgggtgct tccactgcac 300
tgatgtttgt ttctctcttt cagttacttg ggtgagttgg ctccccaggc ttttgagata 360
cctgcctttt gtccagcact gcacgtcct cgcatatcca aggctgtgtc tcccttcagc 420
atcaccactc ggtagttata attccgcctt ttatcagaag ctgatacatt ttcactgcgc 480
tcagaccgta tttctatgta ttcaatatct gacacaggaa gaagaatatt ttagagggaac 540
ctatgctctg tagccttttg tcattttaca acatatcaag taagcctagg aacaacagat 600
gaggctgaca ttaccagagg aaaacaatgg ctggtgtgga aactctttct ctggctggga 660
ggattcaaga gcctggtggt ctggccagaa gcaaccaga 700

```

<210> 414
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 414
attcaatatc tgacacagga agaagaatat tttagaggaa cctatgctct gtagcctttt 60
gtcattttaca aacatatcaa gtaagcctag gaacaacaga tgaggctgac attaccagag 120
gaaaacaatg gctggtgtgg aaactctttc tctggctggg aggattcaag agcctgggtg 180
tctggccaga agcaaccag atgccccagt tctcagcct caactctttc ttagtttccc 240
tgttaaagat ttctccagg ccaggcgcgg tggctcacgc ctgtaaacc aacactggga 300
ggccaagggtg ggcagatcac ctgagggcag gagtttgaga ccagcctggc caacatggtg 360
aaaccccatc tctactaaga atacaaaaaa ttagccagggt gtgggagcgc gcacctgtaa 420
ttccagctac tactcgggag gctgaggtgg gagaatcacc tgaaccagg aggtggaggt 480
tgcagtgagc caagattgca ccactgcgct ccagcccggt tgacagagaa gtgcgagact 540

```

```
ccatctggaa aaaaaaaaaa gaaaaagaaa aaaaaaagag tttcctctgg atgggttttc 600
ttattgcatt ttggcttata cctatctaca ctatgacaga acctattatg tcatcagcta 660
aatataatgc ctactgcagt caaatatgta agtcctgtta 700
```

```
<210> 415
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 415
accactgccc tccagcccggtgtgacagaga agtgcgagac tccatctgga aaaaaaaaaa 60
agaaaaagaa aaaaaaaaga gtttcctctg gatgggtttt cttattgcat ttgggttat 120
ccctatctac actatgacag aacctattat gtcactcagct aaatataatg cctactgcag 180
tcaaataatgt aagtctctgtt aggcctctgga acagaaaact ttacattttc ttgctacaag 240
atgttgccaa gataagaatt cttagaaaat ctcaaagaca tgcttagaaa ggggtccagg 300
gaggtaatgc tggcatgatg agagggtcata aggggaagag ctgcggagag ggctttggaa 360
agagcatttg tgatacacca tgggtactcac cttgtccacg atagggtactt cgccacaggt 420
cacgtataat tttattgatt tcttccattt tcatactgtg aaatttcatt attgctctgg 480
aaaaggaagt cattgggtact tcataatata aaaaaataat tatgtgtaat agtaataatta 540
aaatacataa aatatataat atataaaaaa tagaaatata aataacttcc tcaatatattt 600
caatggtaaa agtagaatat agtaagagct acaaaaataa acagcagcaa aactttgctg 660
cttggctaata actgaaaatt ggcaggctta tttctagtgc 700
```

```
<210> 416
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 416
ttcatatata taaaaaataa ttatgtgtaa tagtaatatt aaaatacata aaatatataa 60
tatataaaaa atagaaatat aaataacttc ctcaatatatt tcaatggtaa aagtagaata 120
tagtaagagc tacaaaaata aacagcagca aaactttgct gcttggctaa tactgaaaat 180
tggcaggctt atttctagtgt ctcagggggt acccttctcc atattcactc tctaggatac 240
aacaataact cctttacgta aatacttaaa tactgtgaaa acttcaggaa acataatttt 300
ttagactttt ttcttaggcc gtggtaactt attggaggga atgcttccac tgatactcac 360
gggtcacagg aaggcctgct gaatggacga cagggaagta aagggtagaa ggtttacggt 420
tagccaaagg gacctgagtc tatggggaaa ataggagaat cgaactgcc ccttgtccct 480
cttctatcac tggttaaggct taccaaaagt cagcttctta tggtgggttt attcctcaga 540
tcttagattt ttaccaactg gaagcttttg ttcagcgaga atgatttaga agcttaagct 600
gaactgacat caaaatttta ttttaccttt ccttcacaga ttcagaaatc ctaattctaa 660
atattaactt ccatatttat attccaaatc ctaactctaa 700
```

```
<210> 417
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 417
ttaccaaag tcagcttctt atgttggttt tttcctcag atcttagatt tttaccaact 60
ggaagctttg gtccagcgag aatgatttag aagcttaagc tgaactgaca tcaaaatttt 120
attttacctt tccttcacag attcagaaat cctaattcta aatattaact tccatattta 180
tattccaaat cctaactcta agcactaaat tccacttagt ccagacatgt ccctgtcctc 240
aactctcttt taaggttagta gtttctaaac actaaaaaca aagaggagaa atgtttgtaa 300
aagcaaaagt agcctgtcaa aacctaacat tgttcccacc acagtcacct ttcatacaaa 360
agcccttagg ttctttggaa gcggttttat gaactaataa atgttgccac agtggtaaaa 420
aggcaaacat tactgcgata atcatacaaa ggatgtgagg atgtgaggcg acttacttcc 480
atgtgcaggc ctcttatctg atgcatacaa aaaaagaaac tgaatataat gctactgcct 540
ctgtagaatc atttcgtgat cttctgggtt accagcaaga gagaaagaaa tgactcaaca 600
taaatacatt ttaaatatca gatgaaggac tgtgaagtag tagaagactg gaaaaacca 660
```

tattctgctt gttgatgaga atgcaacaag tctccatttt

700

<210> 418
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 418
 gatgcataca aaaaaagaaa ctgaatataa tgctactgcc tctgtagaat catttcgtga 60
 tcttctgggt caccagcaag agagaaagaa atgactcaac ataaatacat tttaaatatc 120
 agatgaagga ctgtgaagta gtagaagact ggaaaaaacc atattctgct tgttgatgag 180
 aatgcaacaa gtctccattt tctaccttat acatttatct cagcctaaca ttttatgctc 240
 ctttcaaaaag gagacaaaac atctaagtat ttcctaaaaa caaaacaaaa ctgatggaat 300
 gttagaccaa tcatgtaaag actgcctttc catagcttat atatcatgat cctgattttt 360
 caaatgacat taaaaaaaag ttatctttcc attcaagtta aaaatcttca aaaactaaca 420
 taagcattct aatgtggaga acaagctcca gacaaggcag ggggtggcaa ggcgcacacg 480
 tgcagtctgc cttggctccc ttatacaaca caggtggtgc atcctgtccc atggccaggt 540
 ctgctgagac acagcactgc gggaaaaaga tctagttcag ggagaggtct caaccaccca 600
 aagagtgtgt cggatggagt tgatgactac cactgtggga cggaccatta actcatcttc 660
 gtatcctctc tgtctactat ggaatttaca gctgtactgt 700

<210> 419
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 419
 cttatacaac acaggtggtg catcctgtcc catggccagg tctgctgaga cacagcactg 60
 cgggaaaaag atctagttca gggagaggtc tcaaccacc aaagagtgtg tcggatggag 120
 ttgatgacta cactgtggg acggaccatt aactcatctt cgtatcctct ctgtctacta 180
 tggaaatttac agctgtactg tgtaagagat ggggatgact aaggctcgta cagtaatcta 240
 cataagggaa taacaatgat aataatgatt attattgatg accatttacc atatgcgaga 300
 caaaactatg ctaaataatc aatttcattt aatccttacg acaatactgg gaattagata 360
 ctgttatctc tatttaccat taacaaaact aagattcaat gaaatcagtg acttgttcaa 420
 gatcagagaa aagtggctag gatattaaca gcccttgaat atgacagtta aaattgaaaa 480
 ggcagtcaaa attccatctt ttaaagccac cagactcagt tttatgaggg aatgttatca 540
 aatcttcaag acacacctag ctcccaagta tataagggtat gacacagcaa ggagaaacat 600
 aaggggaaaa aagtacaagg ctatttttct tatgaatata aacattctaa ataaaacgaa 660
 atttagtagt aagggtagta aaaagaatat atcatgacca 700

<210> 420
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 420
 tttaaagcca ccagactcag ttttatgagg gaatgttatc aaatcttcaa gacacaccta 60
 gctcccaagt atataaggta tgacacagca aggagaaaca taaggggaaa aaagtacaag 120
 gctattttttc ttatgaatat aaacattcta aataaaacga aatttagtag taagggtagt 180
 aaaaagaata tatcatgacc aagtagtggt tacaacaaga aagaaacagt aaaactgggg 240
 aaaataattc aactaatata gtagcagatt aaaaagaaaa aaataatttt tcaatagatg 300
 tcataaaaaac atttgatata ctgtaacact gaattttgat aaaatatctt aagtgaaaaa 360
 tcaaagaatg ttttcttaac tggacaaaat gactccctca gatatccaca gcaagcatca 420
 aatttaattt aaaatctata gaagtgttcc tcctaaaact aagaagagaa agatgcctcc 480
 tattatggct gctctaaaat aaggtcctgg aaatccctaa cgattcaggg atttcacgat 540
 tcaaatecct acctaaaaag aaatgagaaa tgaaaaaaag agagaaaagc ctgtcattat 600
 ttttgcaggt gacagaattg tatgcttaga aaatccaaga aaatcaactg aaaaattatt 660
 cagactaatg agatagccag agataaatat ataaaaatga 700

<210> 421
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 421
taaggtcctg gaaatcccta acgattcagg gattttcacga ttcaaattccc tacctaaaaa 60
gaaatgagaa atgaaaaaaaa gagagaaaag cctgtcatta tttttgcagg tgacagaatt 120
gtatgcttag aaaatccaag aaaatcaact gaaaaattat tcagactaat gagatagcca 180
gagataaata tataaaaaatg aagttttatt atctagaggc aaacaccaat aggaaaggca 240
atagaaaaaa aaaggatcct attcacagtg gcgataaaaa ccctaaaatg cctaggaata 300
agtctaacaa aagggtatag gagctagagg aaaaagctgt aaaactttac aataggataa 360
aaggaaatga ttgagcagga gatgcatact aaggagtcca gaatggtaga tgtgatatta 420
caaagatgtc cgtttcctc aaataatcca taaattaaat gcaatccaaa cagaaacccc 480
aataaaatta aaaaatgctt aacagaatcc ataagctgac tctaaagttc atatagaaga 540
gataatacaa aagaaaaaaaa ataaatttta aaagttggta taaaaaggaa aatccagaaa 600
caaaccctaaa tgcataataga acgttagttt ataactgcaa cagttcaaat caactggaaa 660
gttttcaaca gtgttataaa agataaaaaa aaaattatta 700
```

<210> 422
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 422
taacagaatc cataagctga ctctaaagtt catatagaag agataataca aaagaaaaaa 60
aataaatttt aaaagttggt atacaaagga aaatccagaa acaaacccaa atgcatatag 120
aacgttagtt tataactgca acagttcaaa tcaactggaa agttttcaac agtggtacaa 180
aagataaaaa aaaaattatt acccgttatc caacctcaaa ataaaatcca aatgaatgaa 240
aggattaaaa gctaaagtat ttgggcagct gaggtgggag gattgcttga gcctggagtt 300
tgagaccagc ctgggcaaca tagtgagatc ccatctctac aaaaaaattt aaaaattagc 360
tgggtgtggt ggtgagtgcc tgtagtccca gctacttggg aggctgaggt gagaggatca 420
actgagcccg ggaagttgaa gctacagtaa gctgtgatca tgccactgca ctccagcctc 480
ggtgacagag taagaccctg tctgaaaaaa caaaaaacaa aaaacaaaag ctaaggtaaa 540
ataaaacaat cagatgaaaa cattttgata attttaggat tgggaagcct ttctaaataa 600
ggaacaaaat tgagaagcca taaatcaaaa gactaaagat ttgactacct aaaaatttaa 660
agttacaaaa gataaccataa agaaagctga ggcagctggg 700
```

<210> 423
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 423
gtctgaaaaa acaaaaaaca aaaaacaaaa gctaaggtaa aataaaacaa tcagatgaaa 60
acattttgat aatttttagga ttgggaagcc tttctaaata aggaacaaaa ttgagaagcc 120
ataaatcaaa agactaaaga tttgactacc taaaaattaa aagttacaaa agataccata 180
aagaaagctg aggcagctgg gtgcggtggc tcacacctgt aatcccaaca ctttaggagg 240
ccaaggcagg cagatcactt gaggtcagga gtttgagacc agcctgacca acatggtgta 300
accctgtctc tactaaagat acaagaatta gccaggcgtg gtggtacatg cctgtagtcc 360
cagctactcg ggaggctgag gcaggagaat cgcttcaacc cgggagatgg aggcggaagg 420
aagtaagctg agattgtgcc actgcactcc agcctggacg acagagctag actctgtctc 480
aaaaaaaaaa aaaaaaaaaa gaaaaaacga aagaaaattg atggacaaac gataaactgg 540
gaatcaggtac ttgcaatgta tgtgaaaata attaacatct agaactctatt aaaatgtgac 600
aatcaagaa acagacaacc tagtagaaaa actggcaaag agatatgaat aggtaattct 660
tggagaagaa atacaaatag acaacataca aaaagacatt 700
```

<210> 424
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 424
 agaaaaaacg aaagaaaatt gatggacaaa cgataaaactg ggaataggta cttgcaatgt 60
 atgtgaaaaat aattaacatc tagaatctat taaaatgtga caaatcaaga aacagacaac 120
 ctagtagaaa aactggcaaa gagatatgaa taggtaatc ttggagaaga aatacaata 180
 gacaacatac aaaaagacat ttaacttcac tagtaaagag ggaaatgtaa attaaagtgc 240
 aagctttttt tgtgcagcca ataaaatgtc agtaacaaaa tccagacatg gaatgggcac 300
 tttcatatac tattggtgga aattttctaa gtgttttttag aaggcaattt ggcattaact 360
 aaaaaatata cataacatct gagccagtaa ctccatttct aggaagctgt ctttttgaca 420
 tatctgcttt agtgtgcaaa gacacactct gcagcattat ctgtagtagc acatatttaa 480
 aagcttttct atatgttcaa tagtggttaa ataaagtaga tatcatgcat tttacagaat 540
 atgcagccat taaaaataca aggtacttga atatatgaac gtaaaagatt atcaccacgt 600
 taaatggaaa aaaaaactca gaaaaatatac taccttgtga taatgcttac aaagaacaaa 660
 aaagatgtat ttgggtgtac tatgtgcaaa gccattgtga 700

<210> 425
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 425
 atagtgggta aataaagtag atatcatgca ttttacagaa tatgcagcca ttaaaaaatac 60
 aaggtagctt aatatatgaa cgtaaaagat tatcaccacg ttaaatggaa aaaaaaactc 120
 agaaaaatat ctaccttggtg ataattgctta caaagaacaa aaaagatgta tttgggtgta 180
 ctatgtgcaa agccattgtg agggaaatga aaatatgtca ccaacttaat aattccttaag 240
 ggctgaatca aagttagaca ctgtcatgga aatgagccta agtctacctt gaagtgtgtt 300
 ctgtgggttg cagttatgga gcgtggggaa gcccaaatat ctgtaataca aggctgaatg 360
 gcttttagttg tataagtggt acaaaatatt attaatgaca aaggtaggaa aaaaatcaca 420
 tatgtttggg aagggtctta tcaacataac attccaagga tgggagagat agcacaggaa 480
 aatatgggac aaaattgttt ggtagaaca cacttggttag taggaattga aatgggaaag 540
 cccaggtatg gaagtcattc ctaaaattag aagggaatag ggaccaccag ctttaggaaa 600
 atgaagctgg cagaagtata atgggtggag gtgggggtag gaaggacggt aagagataag 660
 aggtgggaaa ggtgccacgg taataggtga gagttactta 700

<210> 426
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 426
 tggtagaac acacttggtg gtaggaattg aaatgggaaa gccaggtat ggaagtcatt 60
 ctaaaaatta gaagggaata gggaccacca gctttaggaa aatgaagctg gcagaagtat 120
 aatgggtgga ggtgggggta ggaaggacgg taagagataa gaggtgggaa aggtgccacg 180
 gtaatatggtg agagttactt aggtgaagc catggaaaga aggcagctct gggctgggtg 240
 cggtagctca cacctgcaat cccagcactt tgggaagcta aggtgggagg atagcttgat 300
 cccaggaagt caaggctgca gtgagctgtg atcatagcac tgcactccag cctgggtgac 360
 agagtgaat cctgtacaag aaccctatag gagctattga gtgacatata gtggcccaat 420
 taacttaaca cgcttttatc acttggaactt tacaggcatt taacatcaaa taacttacag 480
 aatgaccttg aaagtccatg actgtctggt gaggcaaaga tttgaatttc atgggctgca 540
 aactgttatg gtcaagtagc catctggcta gtgtatcagc tccaccacct gcctggagta 600
 tgcacatctc tcagttaaat gcatatacta actcatgcga agtagtatga tttctttgtg 660
 aaaactggct cttaaagtga gaggccaggt gaggtggctc 700

<210> 427
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 427

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gactgtctgg  tgaggcaaag  atttgaattt  catgggctgc  aaactgttat  ggtcaagtag  60
ccatctggct  agtgtatcag  ctccaccacc  tgctggagt  atgcacatct  ctcaagtaaa  120
tgcataact  aactcatgcg  aagtagtatg  atttctttgt  gaaaactggc  tcttaaagtg  180
agaggccagg  tgagggtggc  cacgcctgta  atcccagcac  tttgggaggc  caagggtggg  240
aaatcacttg  aggtcagatg  ttagagacca  ccctggccaa  catggtaaaa  ctctatctct  300
actaaaaata  caaaaattag  ccggtgtggg  ggtgggcacc  tgtaatccca  gctatttggg  360
aggctgaggc  aggaggatcg  cttgaacctg  ggagggtggg  gttacagtga  gccgagtttg  420
caagaatgaa  ctccagcctg  ggtgacagag  ccagactctg  tcttaaaaaa  aaaaaaaaaa  480
aaaagtgaga  ctctctcgga  gctcagaaaa  taatgattta  taaattactt  tagtctgata  540
tttaataact  cattaagagt  ctgaaagatt  tcattaaaaa  tttcagtaac  aatcgattgc  600
attttatgag  gaaaaatgat  ggctttaatg  gcatttatat  ttctggtaat  ccatgaaagt  660
cttaacaagc  ttgtccagcc  tgccttattt  tgttgttctg  700

```

<210> 428

<211> 700

<212> DNA

<213> Homo sapiens

<400> 428

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agctcagaaa  ataatgattt  ataaattact  ttagtctgat  atttaaatac  tcattaagag  60
tctgaaagat  ttcattaaaa  atttcagtaa  caatcgattg  cattttatga  ggaaaaatga  120
tggctttta  ggcatttata  tttctggtaa  tccatgaaag  tcttaacaag  cttgtccagc  180
ctgccttatt  ttgttgttct  gttttgttct  aggcttttag  cagactgaag  ccatggtttt  240
tagttttgtc  tctagtgatg  agcagaaaag  agggatgagg  aagaggcttt  actggtccaa  300
ccagaaagag  aagctaagaa  cccatgactg  gattctctcc  cttggacacc  ccacagacca  360
atatctcacc  ttccaggaga  agacccttcc  agctcttgct  tctttaaacc  tattaactta  420
gttttcttta  gctagactcc  caaacatcag  cttttacaat  tcagcctatg  gttcaatcac  480
tatggcaaga  taaacatttg  tttagggtgtg  aaacaccact  ggctatcttt  gggttttgta  540
atctaccctc  ttgaggttgc  aggagctact  gtgaaacctt  actgcatcca  tgggtcatgat  600
agagatggtg  actctaaggt  gagccctgaa  taaagccctc  atctgaagct  cccctcgaat  660
gcagggaccc  aggctctgaa  gagcctcaca  gaaagctggc  700

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<210> 429

<211> 700

<212> DNA

<213> Homo sapiens

<400> 429

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gtttagggtg  gaaacaccac  tggctatctt  tgggttttgt  aatctaccct  cttgaggttg  60
caggagctac  tgtgaaacct  tactgcatcc  atgggtcatga  tagagatggg  gactctaagg  120
tgagccctga  ataaagccct  catctgaagc  tcccctcgaa  tgcagggacc  caggctctga  180
agagccctcac  agaaagctgg  ctaccttgga  tgcaaaactg  taaaggttac  gtgtttacaa  240
tgagtcttaa  aagaagcatg  acctggccag  gtgcgtggct  catgcttgta  atcccagcac  300
tttgggaggc  caaggcaggt  ggatcacaag  gtcaagagat  caagaccatc  ctggccaaca  360
tggtgaaacc  ccgtctctac  taaaaatata  aaaaattagc  cgggtgtggg  ggcaggcgcc  420
tgtaatccca  gctacttggg  aggccgaggc  agaagaattg  cttgaacccg  ggagggtggg  480
atggcagtga  gctgagatcg  caccattgga  gtccagcctg  ggcaaaaaga  gcgaaactct  540
gtctcaaaaa  aaaaaaaaaa  agtattacct  aatatgcaac  cttccacatc  tggggaaaaa  600
tgagagtaga  acattttggg  catggggtag  aacaccatat  cttgagtgat  atattctaac  660
atcatttaaa  ttggtatatt  gtattagtat  ggggtaatac  700

```

<210> 430

<211> 700

<212> DNA

<213> Homo sapiens

<400> 430

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gcaccattgg  agtccagcct  gggcaaaaag  agcgaaactc  tgtctcaaaa  aaaaaaaaaa  60

```

```

aagtattacc taatatgcaa ccttccacat ctggggaaaa atgagagtag aacatttttg 120
gcatggggta gaacaccata tcttgagtga tatattctaa catcatttaa attggtatat 180
tgtattagta tggggtaata cattccaaat gatggataat ttcccccttt tcactctatgt 240
gtctctgacc actgccaatg cttatactta gtgatgtttt tagatgatta ctaataacag 300
atggtaatca gcttttcttg aaaatgcact gctgacttcc tgtgttacct taaatagaca 360
gctgaacgca acaattacac tgactgcatg ctttattcta agacgtgaaa gaatgagggg 420
aattttgtac cttactttct tctgggtgag aaggcaaatt tagggctcac cgtataaatc 480
ttgagaaggc cactgtttgc gagcataagc cacaaagact caattttggg gaaatttgta 540
tcacctcttt tcatttagaa gaatccatct gagtaccagg taagagaact cagtaaacag 600
cctggctttg ttccttaaca agcctaaatt gctagaaagc actcctgtac ctctccaccc 660
cgccaggctc caccaagctc cctcataggt ctcattctg 700

```

<210> 431
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 431
cgagcataag ccacaaagac tcaatttttg ggaaatttgt atcacctctt ttcattttaga 60
agaatccatc tgagtaccag gtaagagaac tcagtaaaca gcctggcttt gttccttaac 120
aagcctaaat tgctagaaag cactcctgta cctctccacc ccgccaggct ccaccaagct 180
cctcatagg tccctattct gctcagcatg cctctgtgac tgaggcactt ttctctgctg 240
aaaagccctt ccttcttctc ccaggcccag gtcaaaaaca gactatggag cacctaccaa 300
ggctctccatc agacagactg tcagcagttt ggaggaggga cagggaaga tattcctgtt 360
ttcccagagc ctgacaagaa agtggcagag caagggttgt tgaattcttt tttatttttt 420
ctcttatagc ctaatcttgg aagtgaaggg aattcttatt cctgctgcca ctggttctca 480
gggtatgcag ggatagctgg agagctccta cgtatgtttt tctattcagt gaatacatat 540
gaaaccccag gtctgcaggc caatgggctg taagagaaga gctgacctg cagcaaaata 600
cttacaagta aaattgaaaa caaaaccaac gtgcctattt aacttggtcc ctggtccact 660
ctaaccattg ccccatTTTT cttgctcccc gtcacaggag 700

```

<210> 432
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 432
gagagctcct acgtatgttt ttctattcag tgaatacata tgaaacccca ggtctgcagg 60
tcaatgggct gtaagagaag agctgacctt gcagcaaaat acttacaagt aaaattgaaa 120
acaaaaccaa cctgcctatt taacttggtc cctgggtccac tctaaccatt gccccatttt 180
tcttgctccc cgtcacagga gaagtgtgta taagaattat ctatattctc tgtctccatt 240
tctttttctt tttttttctt gagacagttt ttttctcttg ttgcccaggc tggagtacaa 300
tggcacgata ttggctcact gcaacctccg cctcccgggt tcaggcgatt ctccctgcctc 360
agcctcctga gtagctggga ttacaggcta ggcaccacca ggcccagcta atttttgcat 420
tttttagtaga gacgtggttt ccccatggtg gtcaggctgg tctcgaactc ctgacttcag 480
gtgatccacc cgccctggcc tcccaaagtg ctgggattac aggtgtgagc caccgtgccc 540
ggctgctgtc tccatttctt actaccatt ctctccccac ccaacttgac cgggcttcag 600
ttccaactgt gccactgact gctcctcagt cattaacaac ttccattttg tcaaatttaa 660
gggccacttc ttagtcttta tcttatttga ctccaaatag 700

```

<210> 433
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 433
ctcccaaagt gctgggatta cagggtgtgag ccaccgtgcc cggctgctgt ctccatttct 60
tactacccat tctctcccca cccaacttga ccgggcttca gttccaactg tgccactgac 120
tgctcctcag tcattaacaa cttccatttt gtcaaattta agggccactt cttagtcctt 180

```

```

atcttatttg actccaaata gcattagatt cttgatatat ttgcttctact tggttttcaa 240
gataccacat cttttaaaat cttttcccac atcaccagct gcttatttac tggatttgca 300
aacataacta gtggtgggac ctttcccttc tctctctatg ctcatccac atgtgatctc 360
atctcatggg ttaaatgccg tggatatgct gatgactccc cagtgtacac ctttcaacttg 420
aactctaggc tcgagggttat atatccaact gcctgcttga cagctctgct tagatatcta 480
caggcacttc aaacttaaag tgtacaaaac ggaactactg attttctctc cccagtccca 540
cccatTTTTag ggaatggcaa cctgttctcc caatatcctg ttgttcaagc aaaaatatgt 600
aggagcaacc tttgggttatt ttactttccc tcccttacac tcaattcaga agcaaggcct 660
gtcaactctc tctccagaac aaatcccaag tctatcactt 700

```

<210> 434

<211> 700

<212> DNA

<213> Homo sapiens

<400> 434

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gtgtacaaaa cggaactact gattttctct cccaggtccc acccatttta gggaaatggca 60
acctgttctc ccaatatcct gttgttcaag caaaaatatg taggagcaac ctttgggttat 120
tttactttcc ctcccttaca ctcaattcag aagcaaggcc tgtcaactct ctctccagaa 180
caaatcccaa gtctatcact tctctccatt ttcactgcta ccacctgatc tagccacca 240
ccatctcttg gttactacaa gtctcctcat cagtctctgc ttttactctt gccctttaca 300
atccattctc cacacccagc agccagtgc aatttcttcca actagaaatc agattatatt 360
acttccctgc ttcaaaccct ccagtgactg cccaatgcag ttagaatgaa ataaaactgt 420
ttgtttacca aggctacaag gcatgacata ctctgggaat ggtctatccc tgactatatt 480
ccacccatgc ttgccttctt cctggtcctt gaacactttc tgttcgtact ggtcttggt 540
gctgcagtaa ctattctctc tacctggaac gcctgcaccc cattttttgc atatcttgct 600
cccttctcat caatcaggtc ccagcttaaa ggcccactctg ttatgctcac attgttcatt 660
ttcactgtaa tacctaccac tactacccat tttgttatta 700

```

<210> 435

<211> 700

<212> DNA

<213> Homo sapiens

<400> 435

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tcctggtcct tgaacacttt ctgttcgtac tggctctggc tgctgcagta actattctct 60
ctacctggaa cgcctgcacc ccattttttg catatcttgc tcccttctca tcaatcagg 120
ccagcttaaa aggcccatct gttatgctca cattgttcat tttcactgta atacctacca 180
ctactaccca ttttgttatt aatttatctc ttaattttgt ttcttcatcc ttatatact 240
agtatctaga acagtatcaa gcatttatgt actcaaatTT ttattgaaca aaatccta 300
atacaactat gtattatgta cacaagcacc tcaactgaaga gttacaaaat atatagaa 360
aagtatatgt tctaaaccag gaagtataag taacagttaa aatgctttta tataaata 420
agttttttta cgtttataaa aaaagggtat gcccgtaatc ccagcacttt gggaggctga 480
ggagggtgga tcacttgagg ccaggagttc aaaactagcc tggctatcat ggcgaaacct 540
cgtttctact aaaaatacaa aaattagccc agtgtggtag cacatgcctg taatccagc 600
tacttagaag gctgaggcat gagaatcgct tgaacccaag aggcagaggt tacagtgagc 660
agagatcacg ccactgcact ccagcctgag agagctgaga 700

```

<210> 436

<211> 700

<212> DNA

<213> Homo sapiens

<400> 436

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gccaggagtt caaaactagc ctgggtcatca tggcgaaacc tcgtttctac taaaaataca 60
aaaattagcc cagtgtggta gcacatgcct gtaatcccag ctacttagaa ggctgaggca 120
tgagaatcgc ttgaacccaa gaggcagagg ttacagtgag cagagatcac gccactgcac 180
tccagcctga gagagctgag agaaccagtg agactccgtc tccagaaaaa taaaaaaaaa 240
agcagggggc cactatggta gcagcatgtc acagtgggtc tgatatctaa ttttatctct 300

```

```

accattttacc tgggtaatct tgggtagcct gcttaatctg tctgataaat acttgccctt 360
taaaacagag ttagatacaa taattaaatc gattatgcta tcatgtagta ttcaattgct 420
attattgtct tctatgcaca gccctcaacc tcaaagaatg tttaaatggg aacagaaacc 480
tacgttttct taatgaattt agttcttttag tgctattaaa gaatagagaa tttagaact 540
taactttacat taaagaatgg aacatgacaa aggaagctgg actaaatcgc ctctgagctt 600
ttctgactct atactgaata atagtataga tttttaaaaa ttctatttta tagatgagga 660
aacggaaact cagagtgtct aaataatttg ctaaatatct 700

```

<210> 437
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 437
tagttcttta gtgctattaa agaatagaga atttaagaac ttaacttaca ttaaagaatg 60
gaacatgaca aaggaagctg gactaaatcg cctctgagct tttctgactc tatactgaat 120
aatagtatag atttttaaaa attctatttt atagatgagg aaacggaaac tcagagtgtc 180
taaataattt gctaaatata ttcagtcagg actcaaaatc accactatgg agaatagtat 240
ggaggttcct aaaaaaacta aagacagaac taccatatga ttctgcaatc ccacttactg 300
gatattttacg caaaggaaat gaaatcatta gggtgaggag atatctgcac tcccatattt 360
attgcagcac tgttcataat acctaagatt tggaaagcaac ctaagtgtcc atcaacagat 420
aatgggataa agaaaatgtg gttcctctcg ggcgcggtgg ctcacgtcta attccagcac 480
tgtgggagggc tgaggcggggt ggatcatttg aggtcaggag ttcgagatca atatggccta 540
catggcaaaa ccctgtttct actaaaaata caaaaattag ccagggtgtg tggcaggaac 600
ctgtaattcc agctactcgg aggctgaggt ggaggttgca gtgagctgaa atcacaccac 660
tgcacttcag cctggggagac agagactccg tctcaaaaaa 700

```

<210> 438
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 438
tggatcattht gaggtcagga gttcgagatc aatatggcct acatggcaaa accctgtttc 60
tactaaaaat acaaaaatta gccagggtgtg gtggcaggaa cctgtaattc cagctactcg 120
gaggctgagg tggaggttgc agtgagctga aatcacacca ctgcacttca gcctgggaga 180
cagagactcc gtctcaaaaa aaaaaaaaag ttgttcatat atacaatgga gtgctattca 240
gccataaaat aaaatgagat cctgtcatct ggaataacat ggatggaact gaaggacatt 300
atgttaggtg aaataagcca ggcacagaaa gacaaacttt gcatgttctc attcatttgt 360
gggagtgaat aattaaaaca attgaactca tggagatagt ggagatgata gttaccagag 420
actaggaagg gcagtggaga tgggtaacaa gtacaaaaat atagtaagaa taagatctag 480
tatattatag cacaacagag tgactacagt caacaatgta ttgtacattt aaaaataact 540
aaatagtata attggaatgt ctgtaacaaa aggaaggata aatgcttgag gtgatggaaa 600
cctcatttac cctgatgtga ttattatgca ttgtatgcct gcatcaaaat atctcacgta 660
ccacataaat ataccggcta tatagccata aaaaataaga 700

```

<210> 439
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 439
gtgactacag tcaacaatgt attgtacatt taaaaataac taaatagtat aattggaatg 60
tctgtaacaa aaggaaggat aaatgcttga ggtgatggaa acctcattta ccctgatgtg 120
attattatgc attgtatgcc tgcatacaaa tatctcacgt accacataaa tataccggct 180
atatagccat aaaaaataag aataaaactt tttttaaaaa aaagaattcg gccgggagcg 240
gtggctcacg cctgtaatcc cagcactttg ggaggccgag gcggggcggt cagcaggtca 300
ggagatcgag accatcccg ctaaaacggg gaaaccccg ctctactaaa aatacaaaaa 360
attagccggg cgtagtggcg ggcgcctgta gtcccagcta cttgggagggc tgaggcagga 420

```

```

gaatggcgtg aacccgggag gcgagccttg cagtgcgagc agatccccgcc actgcactcc 480
agcctgggag acagagcgag actccgtctc aaaaaaaaaa aaaaagaatt caaatctgg 540
acatctgtag tggtcagaga cagcactttt aaccatgtat tatggacttc tgaggctttt 600
taaaaaagg aaactttatc atgttgagct tttatacaaa gtccaatgtc ttgcttttaa 660
tatccatttt tattttttcca tcacaaccaa cttatcttat
700

```

```

<210> 440
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 440
gactcgtctt caaaaaaaaaa aaaaaagaat tcaaatctg gacatctgta gtgttcagag 60
acagcacttt taaccatgta ttatggactt ctgaggcttt ttaaaaaagg taaaacttat 120
catgttggac ttttatacaa agtccaatgt cttgctttta atatccattt ttattttttc 180
atcacaaaca acttatctta ttccaaatag aagtttttgt gatttttttt tttttttttt 240
ttttgagaca ggtctctttt ctgtcaccca cgctggagtg cactggcaca atcttggctc 300
attgcaaccc gccacgggct tctgagtagc tgggattaca ggtgtgtgct accacgccc 360
gataattttt gtattttttt gtagtgatgg ggtttcgcca tgttgcccag gttggtctca 420
aactcctgga cttaagcaat ccaccactt tggactccca aagtgcagg attacaggcg 480
taagccacta agcctggcaa aataggtttt taccaacaaa aatctgtttt gatttgtgtc 540
tcttcaataa aactataata tccttgctag aagttactgg atctctatt cttaatgtct 600
caatgaatgt ttgataagtc tattagatac acagcatctg ttgttaaaga actaagaaaa 660
actaaaaagt cccctaaagg cataaatgag gtagctgaga
700

```

```

<210> 441
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 441
aaataggttt ttaccaacaa aaatctgttt tgatttgtgt ctcttcaa ataaactataat 60
atccttgcta gaagttactg gatctcctat tccttaatgc tcaatgaatg tttgataagt 120
ctattagata cacagcatct gttgttaaaag aactaagaaa aactaaaaag tcccctaaag 180
gcataaatga ggtagctgag aagactaaaa agaattatta aaggcaaaaa aaaccaaaaa 240
acaaaaaaca aatatatgta tgtgtagtct actgggcaag aattccttaa gttttgctta 300
tggtcttggt tcagcacctt aaattccaag actaaccact ttaaactgct ggatctaata 360
tctaggagag atggcaatat tcaaagaagt taaaaacaa aagttctcat ttggtgcagg 420
catataattc tatgagccat tttggacca ggaacattg taatgttaac gtaccactc 480
acaatgaaat gggacaaaag atatatccat ggaatactct caaaaaattg ttttaaaagt 540
taaacttaat ctaacaaaaa tcttagtata atttattttt aaaaaataac atgttaattg 600
gctcactccc aatatttcac agtaaatgga tctaatttgt cttacatgat tacgtacttc 660
ctaaaacttg tatatgccaa aaatatgcct aggcaattct
700

```

```

<210> 442
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 442
gatatatcca tggaatactc tcaaaaaaatt gttttaaaag ttaaacttaa tctaacaaaa 60
atcttagtat aatttatatt taaaaaataa catgttaatt ggctcactcc caatatttca 120
cagtaaatgg atctaatttg tcttacatga ttacgtactt cctaaaaact gtatatgcca 180
aaaatatgcc taggcaattc tgggaccacc tttgttatca tctaacta aaaaagtcct 240
catactgaaa ccagagttct cctgtcttcc tgagccctgt ggtctgaatg ccactgctca 300
ggttggtctg ttgactatgc tgtatctgac cagaagtctt agaagagaag ctctctgtgt 360
aactctctta gtgctaagga agatatttgc cattctggaa aaaacaacca ccacaaaaat 420
ctaaggtaag taataattct cctgccacaa atgaacagaa ctactagata gacttataac 480
aaaacttatt ttaaattcat agttgagctc acaagaaaga aagggaatc cctacataat 540

```

```

agaaacgaag atagaagtga aaaccagacc agtcagtatg taacctgaca gacaaactaa 600
acttgggggt attattatta ctgttattgt tagttttgag acagagtctc gttctgttgc 660
ccaggctgga gtgcagtggg gcaatcttgg ctactgcaa 700

```

```

<210> 443
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 443
tagttgagct cacaagaaag aaagggaaat ccctacataa tagaaacgaa gatagaagtg 60
aaaaccagac cagtcagtat gtaacctgac agacaaacta aacttggggg tattattatt 120
actgttattg ttagttttga gacagagtct cgttctgttg cccaggctgg agtgcaagtgg 180
tgcaatcttg gctcactgca acctctactt cccagttcaa gcgattctcc tgctcagcc 240
tcctgagtag ctggcattac aggtgtgcac cactacagcc agctaatttt tgtatttttt 300
ttagtacaga cggggtttca ccatgttggc caggctgggc ttgaaactcct cacctcaagt 360
gatccgcca cctcgggtct ccaaagtgct gggcttacag gcatgagcca ccgtgcccag 420
ccatgaactt ggcgttattg tttttataac ctagggtatt gttcttatca tccaggacag 480
aagatgaagg ataggacca agtaaggaag aagattagaa gtgactccca acacacaaaa 540
aatgggactc ttcaagagct ataacatcaa tcctcaatga aagagtggaa aattaatgag 600
ttgaaaattc aaagtcttgg gcaaagtctt tatatagttt tggggttcaa agttatgcta 660
ccagtgaagta tagtctagga acctaccaac taagaaatta 700

```

```

<210> 444
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 444
aagtaaggaa gaagattaga agtgactccc aacacacaaa aaatgggact cttcaagagc 60
tataacatca atcctcaatg aaagagtgga aaattaatga gttgaaaatt caaagtcttg 120
ggcaaatgct ttatatagtt ttggggttca aagttatgct accagtgagt atagtctagg 180
aacctacca ctaagaaatt aacaaaaacc ctacatgcag gccaatgttt tctctggagc 240
tcttagttaa tataaaacca aaatttctgt gtagatggac ctctacaagg aaaggtcaca 300
agggagtctc atagaaaaaa caacactact aaagataagc acacaattaa atgttaataa 360
aacacagaaa cttcactagg ggatagaatc aacatacaaa acagcagaag cagactcctc 420
aaaatgtgaa attaaaaaat aacaatctga aagagaatat aaaatgtgta tagttaaaat 480
gagtaaaagac acattcaaga aggaatcaaa atactaagga agaaaataca tcataagcct 540
ggcacagtgg ctcacatctg taatcctagc actttgggag gcctaggtat aaaatgtgta 600
taaaatgagt aaagacacat tcaagaagga atcaaaatac aaaggaagaa aatacatcat 660
aggcctggcg cagtggctcg catctgtaat ctagcattt 700

```

```

<210> 445
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 445
aaggaatcaa aatactaagg aagaaaatac atcataagcc tggcacagtg gctcacatct 60
gtaatcctag cactttggga ggcctaggta taaaatgtgt ataaaatgag taaagacaca 120
ttcaagaagg aatcaaaaata caaaggaaga aaatacatca taggcctggc gcagtggctc 180
gcatctgtaa tcctagcatt ttgggagacc taggcaggag gatcgcttga ggccaggagt 240
tcaagaccag ccggggcaac atgacaaaac cccatctgta ataaaaatac aaaaatttagc 300
cgagtgggtg catgcatctg taattccagc tatctgggag gctgaggaat gagaactgct 360
tgaactcagg aggtggaggc tgcagtgagc cgagatcatg ccactgcact ctagcctggg 420
cgacagagcc agactctgtt ttaaaaaaaa aaaattataa aaaaaccatg tgagtttctg 480
aaaaagaaca aaatagaact tatagaaaaa aatggaggaa aaaatgacaa ctcaataggc 540
agtataagta gcagctaaat aattttattt acaagatatt taccagagc ccagtatatg 600
caagaggggt taagcaatgt agaggaaaga ggaggttatg tctaataaaa agtgaagaag 660

```

gggaaaatag tgagaaatgg agaaagaata atatttgaag

700

<210> 446

<211> 700

<212> DNA

<213> Homo sapiens

<400> 446

ttatagaaaa	aaatggagga	aaaaatgaca	actcaatagg	cagtataagt	agcagctaaa	60
taattttattt	aacaagatat	ttacccagag	cccagtatat	gcaagagggg	ttaagcaatg	120
tagaggaaaag	aggaggttat	gtctaataaa	aagtgaagaa	ggggaaaata	gtgagaaatg	180
gagaaagaat	aatattttgaa	gagataatgt	atgaaaaatc	cccaaaattg	atggaagata	240
tcaatcctca	gatcaaaaag	cataatttat	gagcagaaga	actaaagctg	agtctagaca	300
cactattata	aaaatacaga	acactgaaga	caaagggaaa	aatcctaaga	gaaccagggg	360
aaaaaggcag	attacttttta	aaggaataat	taaaatgatt	tctcaactgt	aaccatagag	420
gccaacaaaa	aatgaaatat	tttcaaagt	ccaagagAAC	aaaactgtca	atctagaact	480
ctatgctcag	ctaaactatc	aaattaagg	gaaaaacttc	tcaaagactg	attgtttacc	540
actaacagtc	attcactgaa	aaaactattg	agaatatac	tccaaaaaaa	gaaaactgaa	600
cctaaagaag	ggaggagtgg	gatttaaaaa	gcaagaatga	acaaagaaat	tgggaaacat	660
gcggtgttat	gaaaccacca	caataattat	tactcatttg			700

<210> 447

<211> 700

<212> DNA

<213> Homo sapiens

<400> 447

caaattaagg	ggaaaaactt	ctcaaagact	gattgtttac	cactaacagt	cattcactga	60
aaaaactatt	gaagaatata	ctccaaaaaa	agaaaactga	acctaaagaa	gggaggagt	120
ggatttaaaa	agcaagaatg	aacaaagaaa	ttgggaaaca	tgcggttcta	tgaaaccacc	180
acaataatta	ttactcattt	gtgatgattt	aaaaacaagg	taaaactaaa	atattagaca	240
aaagaaataa	tgcagatgag	agaagataat	tagtattcag	gaaaaagata	aaacaattca	300
cattaaagct	atgggttttta	aactttgatg	tgcacagaaa	tcacccaaaa	tgtctgtcaa	360
aatagactg	ctggggcccta	cctctcaaat	ttttgatcga	ggtctggggt	agaagctgag	420
aggcattttct	aacatgttcc	aagggtgatac	tgataatggt	gctccacgac	cactttgaga	480
actaatgcat	atgatttttaa	gtcaaataag	tatttataaaa	ttaaaaagta	aacactcaaa	540
taactaaagt	agaatacaac	cgatccttga	acacagggtt	gaaccatgtg	ggtctatggt	600
tatgtagatt	ttcttcaccc	tctgccatcc	gagacagcaa	gactgacccc	tcctcttctt	660
cctcctcctc	ttcaatgtga	agaggacaag	gatgaagacc			700

<210> 448

<211> 700

<212> DNA

<213> Homo sapiens

<400> 448

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ccgatccttg	aacacagggt	tgaaccatgt	gggtctatgt	ttatgtagat	tttcttccac	120
ctctgccatc	cgagacagca	agactgaccc	ctcctcttct	tcctcctcct	cttcaatgtg	180
aagaggacaa	ggatgaagac	ctttatgatg	attcatttcc	acttaacaga	aaatatattt	240
tcccttataa	ttttttcttg	tctccagttt	actttattgt	gaaagaatac	tgcatataat	300
acacataaca	tacaaaatat	atgttaatat	actgtttctg	ttatcagtaa	ggcttccagt	360
caacagtagg	ctattagtag	ttaagttctg	agggaaatcaa	aagttatatg	tggatttctg	420
actgcgtggg	gggttagtg	tccctaattc	ccatgttata	tgggtcaactg	gataacccaa	480
agaagggaaa	aaggaggagt	caagaaaaat	aaatccatct	caaaaaggca	ggaaaggaaa	540
aaaagatggc	agaaataaat	ccaactcaat	tgagtaatca	gaatgaatat	gaaaggccta	600
aattcactgg	ttaaaagaca	gacatacact	ggataaagaa	aattctgcta	tatgtaatta	660
agatggtgag	agaaatggca	cagagataga	caaagtgatg			700

<210> 449
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 449
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 tccaactcaa ttgagtaatc agaatgaata tgaaaggcct aaattcactg gttaaaagac 120
 agacatacac tggataaaga aaattctgct atatgtaatt aagatggtga gagaaatggc 180
 acagagatag acaaagtgat gaattaagta gaacagagaa cccaggccaa cccaggcaca 240
 taggggaattc tgatatatga cagaaatgac actgtaggtc actgagagaa ggatagtcta 300
 caataaatag agccaagaca accagttatt cataacggaa aaaattcaac ttagaattaa 360
 atacttaaat gtactttacat gtgaaaggca aaatttataa ctttttagaca aaaatataga 420
 agtagggcgt ggcagctcac gcctgtaatc ccagcacttt gggaggccaa tacagggtgga 480
 tcacgagggtc aggaaatcga gaccatcctg gctaacacgg tgaaacccca tctctactaa 540
 aaatgcaata aaattagccg ggcgtagtgg cgggcgcctg tagtcccagc tactcaggag 600
 gctgaggcag gagaatggcg tgaacctggg aggcagagct tgcagtgagc cgagatggcg 660
 ccactgcact ccagcctggg cgactgagtg agactccgtc 700

<210> 450
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 450
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 gggcgtagtg gcgggcgcct gtagtcccag ctactcagga ggctgaggca ggagaatggc 120
 gtgaacctgg gaggcagagc ttgcagtga cgcagatggc gccactgcac tccagcctgg 180
 gcgactgagt gagactccgt ctcaaaaaaa aaaaagatat atctctctct ctctctctct 240
 atatatatat atatctttat atatatatat ctttatatat atatatatag agagagagag 300
 agagagagag gagtagagag agagagagag agagagagag aggagtaggg aaggatttct 360
 taacaagaca cacaagagc taaccagaaa aggctgctaa attcaactaa ctcaaaatca 420
 aatccagtgt catcaaaaga tgctaagtaa aaaagataag cataatgttt gaaaagacat 480
 ttgtaataca tataactgaa aaggaattga aatgcagaag agataaagaa cacattttaa 540
 tcaataagaa aagaccaata gggccaggaa caatgcctca cacctgtgac cccagcactt 600
 tgggaggccg aagtgggagg aatgcctgag cccaggagtt tgagggttaca ctgaactatg 660
 attgcaccat tgcactctag cctaggtgac aaagagagac 700

<210> 451
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 451
 aaaggaattg aaatgcagaa gagataaaga acacatttaa atcaataaga aaagaccaat 60
 agggccagga acaatgcctc acacctgtga cccagcactc ttgggaggcc gaagtgggag 120
 gaatgcctga gcccaggagt ttgaggttac actgaactat gattgcacca ttgcactcta 180
 gcctaggtga caaagagaga ctctgtccca aaacacacaa aaagacaaga ctaataatgt 240
 ataaacaacg attcatcatt ttaaacctat gaggttggca aacattaaga aattttataaa 300
 accaatgtca gaggatccat caaataaacc cttatatact gctagtggta taaatcagta 360
 gtcattttctg gaaaacaata ttattttgta aaattgagca tactccacaa tgcactccca 420
 caaatataac cttatacctt tcctccagaa gacatgacaa gacctggaaa aaaaccccaa 480
 atgtccatct gtaggagaat gaatgcattg tgggtctattc ccatagtaga ttatgtacat 540
 cagtgaataa gaatcaacta cggccataaa caacatggat aaacaaaagc aaatccaaat 600
 aaaaaagcaa gtcctagaat atcatatcat ttttaaaaag ctcaaaatat gacatatata 660
 tgataaaaact gtttttttaa aaagcagaga aagtaaaaaat 700

<210> 452
 <211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 452
 tgaatgcatt gtggtctatt cccatagtag attatgtaca tcagtgaata tgaatcaact 60
 acggccataa acaacatgga taaacaaaag caaatccaaa taaaaaagca agtcctagaa 120
 tatcatatca tttttaaaaa gctcaaaaata tgacatatat atgataaaac tgtttttttaa 180
 aaaagcagag aaagtaaaaa tctttgtcac tggttatagg gaatggggat gacagaagg 240
 tgagataaga agggagcatc taagtggatg ccaatcagtg ataatggtag attgggtaga 300
 gggaggtagt atcatgaata ctctagata ttaatatgct ttatatctta acttcataac 360
 ttaagctagt gtgtgtttac atacatacat acatatatct tccaatccat ggtatacata 420
 aaataccata tttaaagaga aaaaatgagg ggctgggcgc agtgggctcat gcctgtaatc 480
 ccagcacttt gggaggccga ggcgggtgga tcacctcagg tcaggagttc gagaccagcc 540
 tgancnecat ggngaaaccn ngctctact aaaaatacaa nnattagcnn ngcgtggtgg 600
 cangcncctg taatnccagn tacttgggag gntgaggcag nnaatcnnt tgaacccggg 660
 aggcagaggt tgcagtgagc ngagatngtg ccattgcact 700

<210> 453
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 453
 aggcgggtgg atcacctcag gtcaggagtt cgagaccagc ctgancnaca tggngaaacc 60
 nngtctctac taaaaataca annattagcn nngcgtggtg gcangcncct gtaatnccag 120
 ntacttggga ggntgaggca gnnnaatcnn ttgaacccgg gaggcagagg ttgcagttag 180
 cngagatngt gccattgcac tccagcctgg gnaacaanag tgaaactctg tctcaaaaaa 240
 nnntaaaann nnnaagaaaa aaagaaaaan annnnanaan ngnnnnannaa nnnannttnn 300
 nnnatntnaa ntgcantann naaatcccca gtctaatact tactggtcaa gagtcttata 360
 ataaatatcc agatccttgt tcacaagttc tgttgtcttc ataacaatca tcatttctct 420
 atacttttcc tcagcatccc gaaattgtgg ttctcgaagt tctttcttaa aatgaataat 480
 ttcttcttca taacctttct gtgcgcctaa tgccaaatta tgatttcttt ttatattgtc 540
 tatgttctct tccaacttct gatgttcaat gtaaaaaaga aaaatgacaa atgaggacca 600
 ttttttagct tttacaacc tgaagtggaa aagtcataga tttctttaga taggttaagt 660
 atcattctcc ttagcaatca gtatattata acagagtctc 700

<210> 454
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 454
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 tgatgttcac tgtaaaaaag aaaaatgaca aatgaggacc attttttagc ttttaacaac 120
 ctgaagtggga aaagtcatag atttcttttag atagggttaag tatcattctc cttagcaatc 180
 agtatattat aacagagtct ctcttgcctt attatttagg gctttggtac taaagaaaac 240
 cctctctctc ctcccatatc tctgcgcac atagggttgc aaatagctaa ttttgtgtat 300
 tacagaaccc tcatagcatg tgatcactga taaagttcct ggcctttaga cgctaagtaa 360
 agcactctgg tgattaatat tacaaattca caatcttctg attgtgaact gagaatgcac 420

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aattatcaac actaagaagt tatggataac aggcttcatc atcattttgc tcatgtcaaa 480
ggcacaatac gaattaaatc atatattaat tttctgcagt aatacttatt aaaaatttag 540
attcctccat gaaaacaaaa tttctcttgc acaagtgtaa aaaccataat aatgaccaa 600
aaagtaaaat attcaaacctt ttctgatatt ttggcagatt atacaaattt caatgtatgc 660
tttaaaaatc ttcattttatt tattatcact tattaagcat 700

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<210> 455
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 455
catatattaa ttttctgcag taatacttat taaaaattta gattcctcca tgaaaaacaaa 60
atctctcttg cacaagtgtg aaaaccataa taatgaccaa aaaagtaaaa tattcaaact 120
tttctgatat tttggcagat tatacaaaatt tcaatgtatg ctttaaaaaat cttcattttat 180
ttattatcac ttattaagca tcctcttatg tgtcaggcac tactctcaag cttatgggca 240
tccttacaga gtcgactgga ttacaagtct tggttggcatt tctgttatgt cctggttgaa 300
gaaacgtttg aaaaatagtt gtacttagta atgtgaatga atgtaaaaag tactgttatg 360
taccaattac agaagaaatt ttttaaatat ctggtttttg tcttttagtag ccacgaatat 420
attatttttat atcaaaattt cttctagaag cattactttt ccaacttgcc atggagagta 480
tcgtgtaaaa gaactgaggc ttgggaacta ggatattagg gtcacattct tggctttcat 540
cataatttcc tctgtgattt ttctgggtct aagtgtgcat aatgcataca aaaatgaaga 600
ctctgaagat gatgagctct tctagttaaa aatctgattt ccctgatata ggaaagagat 660
tttaaatagc taagagtact taacccaaaac acaggattaa 700

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<210> 456
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 456
cttgggaact aggatattag ggtcacattc ttggctttca tcataatttc ctctgtgatt 60
tttctgggtc taagtgtgca taatgcatac aaaaatgaag actctgaaga tgatgagctc 120
ttctagttaa aaatctgatt tccctgatat aggaaagaga ttttaaatag ctaagagtac 180
ttaacccaaa cacaggatta accatttgtt aggcctttata aattaaaaat cactttacta 240
tatecttttag aaaagcctgg gcattttttc attcagattt ctgtataaat tcaagaagac 300
atgaaaactc tacaaggaag ggtttaataa atgagaggcc tggatttaac cagctgaggc 360
ggttgacaat ctaagtattt gcctagtaca accttttata ccagtctagt gccttagcat 420
caacaagggt cttacagaat tcctaaggca actaactcta aggcagtcaa ggcaggaata 480
aaatcttttc tgctgtacca ggaaggtagc aactacaata agtaacaata agaccagata 540
aaggaagaat gaggtcatc tttcaaaaga aatgctctgg tggacacata attacaaatg 600
agaaaatcta aaatgaatct ctgtggataa atcactctgg caacaactcc attgacaata 660
ttatagactg tacaagctct gaccagaca aggtccacag 700

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<210> 457
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 457
aggaaggtag caactacaat aagtaacaat aagaccagat aaaggaagaa tgaggctcat 60
ctttcaaaaag aaatgctctg gtggacacat aattacaaat gagaaaatct aaaatgaatc 120
tctgtggata aatcactctg gcaacaactc cattgacaat attatagact gtacaagctc 180
tgaccagac aaggccacac gctccatatt ctttatgctt agtaccacta ttctgtgcag 240
caggctagca gatgtatggg ggctaagcat gttcaatact gaataactaa ggcccatcac 300
tacagtgtga ttaccaattc tatatcactt cttcagtaat aaagtcttta aggccatgaa 360
atataattgt atcaaaacac tgttcacctt ctagttaact tcaaaggata ccaggctgag 420
gctaaaattc ttttaaaaca ggtattttaa attcttcaca ttccagtaat aaagacgttt 480
atttaaactg aagattattt taaaagcata ctttttcatt tgcaaaacct gcatttgacc 540

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151/598

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catttccttc aaatgttggt ttctttcttc ttcaacttct tttagttcct catttccttt 600
tcttaaagta aggttatctt gtagccacct ttcttgatc taaaggtaaa cattaataa 660
gttaacaaaa ataaccaagt tactaacatg aaatctgtaa 700
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<210> 458
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 458
ttaaagcat accttttcat ttgcaaaacc tgcatttgac ccatttcctt caaatgttggt 60
tttctttctt cttcaacttc ttttagttcc tcatttcctt ttcttaaagt aaggttatct 120
tgtagccacc tttcttgat cttaaaggtaa acattaaatt agttaacaaa aataaccaag 180
ttactaacat gaaatctgta acaggcaact ggtgacagca agtgccattt ctgtcttact 240
tagaatcatg tgaaattcaa cagagggaga ataagccagt gtgaaggaat ctacaggtct 300
ggggcaatct ggatggccca tccccatcca cagtgacaag tgtaatacct cctgtagcgc 360
agcttttact gctctttcac aaccataatc taaaaaccag gtctactgtt tgatggggag 420
tctcataaag atttgagcat atatctgtgt acttatttac ttataaagta ttaaaaaacat 480
acaaaacaga catttttaaa ggtgaaatta aaaatataac tagataatct aatacctaca 540
tccccagtgg atcattttgc ataggaaccc catgataaag cctactgacc tgaaagatta 600
taagagatca atactactac tgaagtcttc cccaactttt tcgtcctagt tctgtctccc 660
aacatgtacc aagaccatta gaacctgtta ggtatatgtt 700
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<210> 459
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 459
tggtgaaatt aaaaatataa ctagatattt taatacctac atccccagtg gatcattttg 60
cataggaacc ccatgataaa gcctactgac ctgaaagatt ataagagatc aatactacta 120
ctgaagtctt ccccaacttt ttctgtctag ttctgtctcc caacatgtac caagaccatt 180
agaacctgtt aggtatatgt tacctgcaac ttctaccttt aggttgacaa attgtaatca 240
ctcaaggcag taagaagtgc cacaatagta gcatatatct atgaacttgg tacctcctta 300
gccaccgaaa tgaaatttca aaaaattggc tgttcttggt gagtagtttt gtccttcaaa 360
agagactcaa taacacttag cagcagcagc aacaacaaca aaattatttc agtgggtttc 420
ctggtgatta aaatgaacta tgttgtcaag agacaatcat tagaaaacag tttttaagtt 480
gattctttgg aatttagagg aaaaaaaatt tctgcagaa agaaggggtga tttggccac 540
aaatcatgtg tatagaaac ttattctgaa tttggagtaa ggatttctca aagagggagc 600
tgggaccctc ctgcaatagc ccttgcagct aagctaaact cagtgacatg ggaagtgaga 660
gagatggaca gacctgtggc aatatcttgc accaacagta 700
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<210> 460
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 460
gaaaaaaaaat ttcctgcaga aagaagggtg atttggccca caaatcatgt gtatagaaaa 60
cttattctga atttggagta aggatttctc aaagagggag ctgggaccct cctgcaatag 120
cccttgacgc taagctaaac tcagtacat gggaggtgag agagatggac agacctgtgg 180
caatatcttg caccaacagt aaaggccagg gactggtaga tgagagaggg aaatcaagga 240
tttctctcac atgcttaatg ttcatatcca atcctgcccc tctatgcgtg actattttta 300
gagttttttt tttctttttt aacagtcaca aagtaaggct actttcattt ttcttgaaa 360
taatataaac atacaattta tccacagggt ccacatctac ggattcaact aacctggat 420
caaaaatatt ggggaaaaaa aataaaaagt aatagtacaa taaaaaaata caaattttaa 480
ataatacaat ataaaaacta cgtatcattt acatattaat atcaaaagca atctagagat 540
taaagtatat cagaggatat ggataggcta tatgtaaaca ctagatatgc cattttatat 600
aagggacttg agcatcctag atttcggtat ctgttttatc gggggatcct ggaaccaatc 660
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cctcccagag ataccgagac aactgaatat gtatctacta

700

<210> 461

<211> 700

<212> DNA

<213> Homo sapiens

<400> 461

acgtatcatt	tacatatata	tatcaaaagc	aatctagaga	ttaaagtata	tcagaggata	60
tggataggct	atatgtaaac	actagatatg	ccattttata	taagggactt	gagcatccta	120
gatttcggta	tctgttttat	cgggggatcc	tggaaccaat	ccctcccaga	gataccgaga	180
caactgaata	tgtatctact	aaaggcatta	ttataggcag	ttaaagggtga	ctaaaatgac	240
atggttataa	atgtcctttg	ttgctaaagc	aatctaattg	accactgtag	ctgggtgtgac	300
ttaccaaggt	tctactatgg	ggtactatgc	ttgttgttcc	ttattaggaa	caaggggaatg	360
tgctactgct	tactttcatc	taatacccca	gaacatttga	atttgttttc	acaattgcat	420
gaaaggactc	tttaaagtgc	tatcacattt	ttagatgaga	ctgatttttg	gcacaaaata	480
ttgttgctgg	tctgtctacc	tgcatgttta	ccagacagct	aggcatttct	ttgttttagg	540
tcagcttcca	ttattcttct	agttttgaaa	gacagtatat	accacatcaa	gagtgtaatg	600
ctttgaagtc	agatacatct	aggctcaaat	cacagtgtta	ttacttttaa	actggataac	660
tttgggcaaa	ttagtttaaa	ttctctgaac	ctcagtttgc			700

<210> 462

<211> 700

<212> DNA

<213> Homo sapiens

<400> 462

ctgcattggt	accagacagc	taggcatttc	tttgttttag	gtcagcttcc	attattcttc	60
tagttttgaa	agacagtata	taccacatca	agagtgtaat	gctttgaagt	cagatacatc	120
taggctcaaa	tcacagtgtt	attactttta	aactggataa	ctttgggcaa	attagtttaa	180
attctctgaa	cctcagtttg	cttataacat	ggtcaataat	gatactatct	atcataaaga	240
actattgtgt	ggccgggctg	ggtggctcat	acctgtaatc	ccagcacttt	gggaggccaa	300
ggcagatgga	ttacttgagg	tcaggagttc	gagatcatcc	tggccaacat	agtgaacccc	360
cacctctact	aaaaatacaa	aaattagcca	ggcctggtgg	cactcgctg	tagccccagg	420
caggttgagg	caggagaatc	acttgaaccc	gggaggcgaa	tgttgcagtg	agccgagatt	480
gtgccactgc	actccagcct	gggtgagaga	gcaagactcc	atctaattta	aaaaaaaaaa	540
aaaaaaaaaa	aagactattg	tgaagattaa	aggaatgagt	gtatgtaatc	agtatagtgc	600
ctgactcaat	aattgctaata	aaaatgcctt	ttgggtcaaa	tttgtccttt	gtactgtaag	660
cagtgagaat	tccaattata	gtctacaaaa	tgtatcagag			700

<210> 463

<211> 700

<212> DNA

<213> Homo sapiens

<400> 463

tgggtgagag	agcaagactc	catctaattt	aaaaaaaaaa	aaaaaaaaaa	aaagactatt	60
gtgaagatta	aaggaatgag	tgtatgtaat	cagtatagtg	cctgactcaa	taattgctaa	120
taaaatgcct	tttgggtcaa	atttgtcctt	tgtactgtaa	gcagtgagaa	ttccaattat	180
agtctacaaa	atgtatcaga	gaaaggaagg	gaaaaaaaat	cagatgcagt	tatagtatac	240
cacaaatggt	tttccattct	actagaaatt	tgatagtgtg	gggtccagtt	ctacctgtta	300
ctactttttg	tgaccttgga	caagtcaggt	cacctacagt	tctcttcata	tattccttca	360
gctgaaaact	gagaaaggca	gttaagtttc	caaattattt	tattctgtgg	actaaattta	420
gcagggctta	aatcagtagc	taaataagtg	actgttaggc	tcctcagctc	ttaaatatta	480
acccaatca	tccaactcag	atgacagtta	atgcatgcag	ctgggtcacct	atggaaacat	540
aaaaattagc	tgcatcttag	atacctgtga	gagagtggca	tgctgaacag	attacagtcc	600
aatgtccacc	aaaagtctag	ctgggaataa	caccacttct	acaagactgc	ctgaaagcta	660
tgcagtccat	ccagtgtctg	ctcagttatt	gacagctaaa			700

<210> 464
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 464
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 gatacctgtg agagagtggc atgctgaaca gattacagtc caatgtccac caaaagtcta 120
 gctgggaata acaccacttc tacaagactg cctgaaagct atgcagtcca tccagtgtcg 180
 gctcagttat tgacagctaa agggatatat tagaacctct aaggaatttc aacaaaacac 240
 acatatctct gcccaaacc ccaagattct gatttactgg tgtggattgg agacatagac 300
 atatatatat atatattttt tgagacaggg tcttgctctg ttgcccaggc tggagtgcag 360
 tggcgtagta agggctcact gcagccttga actcccagc tcaagcaatc ctcccacctc 420
 agcctcctga gtagctggga ctacaggtat gcaccatcac acctggctaa tttttttgta 480
 gagatggggg ttcgccatat tgcccaggat agtctggaac tcccaggctc aagcaatctg 540
 cccgcctcgg cctcccaaag tgctaggatt acaggcatga gccactgtgc cgggccaaca 600
 catgtatttt taataaccta agtcattttt taaaaactga gatgtaatta atattccaca 660
 aaattcactg tttaaacgtg tacaatttag cagttttact 700

<210> 465
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 465
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 gtgctaggat tacaggcatg agccactgtg cccggccaac acatgtattt ttaataacct 120
 aagtcatttt ttaaaaactg agatgtaatt aatattccac aaaattcact gtttaaactg 180
 gtacaattta gcagttttac tttattttaca aggttataca accatcacca ctatccaatt 240
 ccagagcatt tgatcatccc aaaaggaaat ctcatattca atagcagtca ctctattcct 300
 tcctcacctc tagcccccctg gaaacattaa tctgctgtca ctggatttac ctaatctgta 360
 catttattat aagtggaaac gtacattatg tgaccttttg tgactggctt cttttgctta 420
 gcatgtttta aggggttcatt catgtggtag catgtatcct ttttatggct gaataatatt 480
 ccattgtatg ggtataccac atttttgttt tctgatcatc agttgatggc catttgggtg 540
 tgtccatatt ttgactatta caaataatgc tgctatgagc attcttgtag aagttgttgt 600
 gggaacatat gttttcaatt ttcttagttc tatacctaga agtggaataa ctcacagcat 660
 ttacaggtgc ccctagctaa gaacctttgc tttctaaca 700

<210> 466
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 466
 cattttgttt atctgatcat cagttgatgg ccatttgggt gtgtccatat tttgactatt 60
 acaaataatg ctgctatgag cattcttgta caagttgttg tggaacata tgttttcaat 120
 tttcttagtt ctatacctag aagtggaaaa actcagacga tttacagggtg cccctagcta 180
 agaacccttg ctttctaaac attaacattt acttcaggct tcaatcatal caccctctac 240
 agaaccctcg atcaaggaa atgatgctg agatacactg tatttttttt aaagccctgc 300
 gaagtctgtt gaagactata catgtcttcc tttctatgaa tagagacatt atcctgtagt 360
 cagtatagga aactggtttt ctttttagcat tgacacaatg tgaatcttga ctaattgtga 420
 cttttttttt tttttttttt tttttaagac ggagtctggc tctgtcacc aggttgaggt 480
 gcagtgggtg gatctcggct cactgcaagc tctgcctccc aggttcacgc cattctcctg 540
 cctcagcttc ctgagtagct gggactacag gcgcccacca ccaggcctgg ctaatttttt 600
 gtattttttt gtagagacgg ggtttcggcg tgtttagccag gatggtctcg atctcctgac 660
 ctctgtatct gcccgccttg gcctcccaaa gtgctgggat 700

<210> 467
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 467
tcactgcaag ctctgcctcc cagggttcacg ccatttctcct gcctcagctt cctgagtagc 60
tgggactaca ggcgcccacc accaggcctg gctaattttt tgtatttttt agtagagacg 120
gggttttcggc gtgttagcca ggatggtctc gatctcctga cctcgtgacg tgcccgcctt 180
ggcctcccaa agtgctggga ttacaggcgt gagccaccac gcctggctgt ttttgtttct 240
gtttgtttgt ttgtttgttt gagacggagt ttcactcttg tccccaggc tgaagtgcaa 300
tggtgtgac tcggctcact gcaatctctg cctcccagggt tcaagcgatt ctctgcctc 360
agcctcctga gtacctggga ttacaggcgc gtgtcaccac acctggctaa ttttctatt 420
ttcagtagag atgggggttt accatattgg ccaggctagt cttgaactcc tgacctcagg 480
tgatccgtct gccttggcct cccaaagtgc tgggattaca ggcagagtc actgcgcctg 540
gcctcctctc tttatttgac tactagaatc ttcagcaagc atatcagact tcatgcatac 600
tttttataca cttctctcct ggtttcatta ctttcttgcc cttatttcta cactgccttg 660
ttttccatt aatttgaaat acatttatct ttgctctatt 700

<210> 468
<211> 700
<212> DNA
<213> Homo sapiens

<400> 468
tcccaaagtg ctgggattac aggcagtagt cactgcgcct ggcctcctct ctttatttga 60
ctactagaat cttcagcaag catatcagac ttcagtcata ctttttatac acttctctcc 120
tggtttcatt actttcttgc ctttatttct acactgcctt gttttcccat taatttgaaa 180
tacattttatc tttgctctat tgtatataac taagtaaata atttctggaa caaggaagg 240
tacaaagtaa actaatacca tcagatccac taagttttaga ccatcacttt aaaaggggtc 300
atagatcatt aatcttaaca atttcgtata tatatacaga gagctgctgc gaatttacag 360
attgtgattt ttatataggc aactacataa aagctagtga taattatttt gttatatatg 420
catcataaat ttatacagtt attcaatatg tattaggcca ggcagagatt tgatctccct 480
ttgactgata tttcatatat ttgaaattct tgggtgtaca gaaagagacc cagcagaaaa 540
ctaagtgaac taatcttcca aatgatttta agcaaccact tataaccaag tgggttaaggc 600
attcaaatag taaattttgt ttaaaacagt aagaacagag aaatggtata gtttttaaa 660
gcattaacta ccatgcttgc ataaagcatg tgatgatggc 700

<210> 469
<211> 700
<212> DNA
<213> Homo sapiens

<400> 469
tttgaaattc ttggtggtac agaaagagac ccagcagaaa actaatgtaa ctaatcttcc 60
aaatgatttt aagcaaccac ttataaccaa gtggttaagg cattcaaata gtaaattttg 120
tttaaaacag taagaacaga gaaatgggtat agttttttaa ggcatttaact accatgcttg 180
cataaagcat gtgatgatgg cttcttaata tgattttgat tatactatag aaattaattt 240
ctttaataga gaaaataaat gatataggaa tcaactggaa aatgacttaa tatataaata 300
ttttccttac agattacttt caagattatt aaaccttaac ccttcttttg tgaatttatg 360
ctacataaag atatgttaga ataagaaaag atacagatac atgttaaaga tgttcattgt 420
cacacagttt gtgataagga aatgaaatca atctgagtaa gtgctggtat atacacaaaa 480
tggactattt tataatcatt aaaaagaatg tgatacatct gtgagttgat aggtaaaaatc 540
aaattatggt aagtgaaaaa aggtacagaa taacatgata cgaccccatc cataaaagta 600
aatttaata tatatatata tatatacaca cacacctaaa tttatctacc tatctgctgg 660
tatatgaata aaaaacttct ttaagaacaa ataagtgtaa 700

<210> 470
<211> 700
<212> DNA
<213> Homo sapiens

<400> 470

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taaaaagaat gtgatacatc tgtgagttga taggtaaaat caaattatgt taagtgaaaa 60
aaggtagaca ataacatgat acgaccccat ccataaaagt aaatttaa atatatatat 120
atatatacac acacacctaa atttatctac ctatctgctg gtatatgaat aaaaaacttc 180
tttaagaaca aataagtgtg acagttaatg acatgtagaa gtaagattga gaattaggag 240
aaggggagga acacttttat gcctttatgt tcgaactttt accatgagtc ttttactgaa 300
aataaaaaata aaaaataaat gaagtaagaa tggtattgga attatttttc tttacttttt 360
gcattttcttt ttagagacag agtctcgctg tgcgcccag gctagagtgc agtggtacaa 420
tcacagctca ctgcaacctc tgcctcccag gtccagggtg ttctcatgcc tcagcttccc 480
gagtagctgg gactacaggt gcgcgccgc acggccagct aatttttgta ttttcagtac 540
agacaggggt tcaactgtgt ggccaggctg gtcttgatct cctggcctca agtgatccac 600
ccgcctcggc cttccaaagt gcagggatta cagggtgtgag ccaccacgct tggcctcttt 660
cctttttgca tttctattca atgcatcttc tattgaaaaat 700

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<210> 471

<211> 700

<212> DNA

<213> Homo sapiens

<400> 471

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tgcgcgccgc cagggccagc taatttttgt attttcagta cagacagggt ttcactgtgt 60
tggccaggct ggtcttgatc tcctggcctc aagtgatcca cccgcctcgg ctttccaaag 120
tgcaaggatt acagggtgtg gccaccacgc ttggcctctt tcctttttgc atttctattc 180
aatggatctt ctattgaaaa taaaactata gaaaagaatg tcatagggtg aagtgatatc 240
ataagcaaaa cagacctacc ttctgtgtat caatatcttg tctcatgagt ctcatatctt 300
catttatctt ttcttttgtt ttctcgcat cacttagttg agctattact ttattaagtt 360
cagtttcttt ttgctacaaa aaagaaaatt ctttaagcac atgaataaaa atacaatcaa 420
ataaataatt ttaagtttta aattaccttc ttatagtcgt ctttcccatc ttgaatataa 480
ttctcaatgt ctttcatata gccatgaata tttttaacct tctctttaat atcattcagc 540
tgtagaaaaa tattcattaa atttacctg gttgtactta agggcacata acaggagagc 600
acagtataaac actggctggg aagttatgaa cattgggttc cagtttccac cactactgaa 660
ttttatgatc gcagacaagt ccctttctca cctataggaa 700

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<210> 472

<211> 700

<212> DNA

<213> Homo sapiens

<400> 472

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agccatgaat atttttaacc ttctctttta tatcattcag ctgtagaaaa atattcatta 60
aatttacact ggttgactt aagggcacat aacaggagag cacagtaaaa cactggctgg 120
gaagttatga acattgggtt ccagtttcca ccaactactga attttatgat cgcagacaag 180
tccctttctc acctatagga attgattaat tagtctcatt tcttaacttc tattgtagat 240
caagcagcaa aataatttac atcaaatoct tgttctaaca agaatttcta atgtcaaaaat 300
tataccatga atctgaaaat actattttatc ttatgctatt taatttcatt tgaaataagt 360
gtccgacgtg gtgctatgaa cataagttta atacagatat ttgataagta aatatataaa 420
tgaaatctta ctttatcctg tgctattttg ttgcttgat tttttttgtt gattaattct 480
tctttttctt gctggaactt ttccaatgtt gtttccaaag ggcttacctg ctcttttagca 540
tcttaaaaaa ataaaaaaga taaagtatta tataatatcc cattatctta ctttaggggt 600
cagacttcac agtcttaata aaagcacttt ctatgtgccg ggctctaaaa gtcaactcat 660
ttgctccttt caatgacctt atgaggacag taccatcatt 700

```

<210> 473

<211> 700

<212> DNA

<213> Homo sapiens

<400> 473

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tttccaatgt tgtttccaaa gggcttacct gctcttttagc atcctaaaaa tataaaaaag 60

```

```

ataaagtatt atataatatt ccattatctt acttttagggg tcagacttca cagtcttaat 120
aaaagcactt tctatgtgcc aggctctaaa agtcaactca tttgtctcctt tcaatgaccc 180
tatgaggaca gtaccatcat tttcagtcct atatttcaaa cgagcaaaca gacacagaga 240
atgatttgtc cagggtcaca acagccagta aatgaagcag ccaagatttt aaccagtc 300
agctccagag ttcacgctct taaccactac gcatgctata ctgcatcaac cactaatttg 360
attcttaatc taggccatgt gctcccaatt atattagcgt gtggcttcaa gcatgagttt 420
tcatgatttt atagggtgcc gtcactgctg catgatcaaa gaataggaaa gctcattcag 480
tccagacttt tctttttcag atgaaaacat gatggtaaaa acacttctgt ccttaagctt 540
agcctgctaa ggctacgcag atatttcatg gtaataaaa catactgtta aactaatgtt 600
ggtgtctcca caactatttt ggaaggaacg gggctttcaa gtaataaact attttactaa 660
atagaagtcc ccattattta gccttgtaac actaaatcta 700

```

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<210> 474
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 474
gatgaaaaca tgatggtaaa aacacttctg tccttaagct tagcctgcta aggctacgca 60
gatatattcat ggtaataaaa gcatactggt aaactaatgt tgggtgtctcc acaactattt 120
tggaaggaaac ggggctttca agtaataaac tattttacta aatagaagtc ccattatttt 180
agccttgtaa cactaaatct acaacgtagt tatatgataa ccacagttca aaacagaggt 240
cctcaagcac tttaagattc tgaagtactg agtgaatcta tagaggtaga tacaattatt 300
tagtaattac ttcaatatag gtctatttta tcatactggg aagtggtagt gtgtgttagg 360
aagtcaaatg ccctcagtggt caaaagatct atcagaaaat caactctgct tcctatttagc 420
tgcataaact taggcactca tgagacattt gtaaactctca atttttctat aaagagattt 480
catcatctaa atagggttgc tgaggcactg aatgggtcaa tgtcaaagtg ctttataaat 540
agtaaaaaat tatacagatg caagtactat tttatattat attctgaacc tctgatattt 600
tgtaatctaa aatttaataa aaatttatag taattattca gtaataatact tagtgcttat 660
tgaatgagta cgcataatta tataaaccta ggtaagattg 700

```

```

<210> 475
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 475
ctgaggcact gaatggttca atgtcaaagt gctttataaa tagtaaaaaa ttatacagat 60
gcaagtacta ttttatatta tattctgaac ctctgatatt ttgtaatcta aaatttaata 120
aaaattttata gtaattattc agtaatatat ttagtgctta ttgaatgagt acgcataatt 180
atataaacct aggtaagatt gtttataact gtttataact gggtgagtc tagatgtgat 240
taatctatat aagggatgtc aaatgcattc cagtggcaac tgagtgcctg ctactgtat 300
tggttaaggt tctgaaacca catccggaat caaatggaaa gagtgcctat actgagagtg 360
accgccatag ataaaggatc tgcagataag acaaacctcc tgtacaagca ggaatcctta 420
tacagaatta accaaccacc acctgaccac ctccaataac atttactact taaccaggca 480
gccagttctt ctttattatg gcaaactcct tcttccagaa atctttactt actagtacaa 540
gttctatcac ttaggaacca cacaataat tattatacca ttttcatttg atcctcataa 600
tagctggttt tcaaagggaa tgcttccagt ttttggccat tcagtatgat attggctgtg 660
ggtctgtcat aaatagctcg tattattttg aaatacattc 700

```

```

<210> 476
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 476
ggcaaaactcc ttcttccaga aatctttact tactagtaca agttctatca cttaggaacc 60
acacaaataa ttattatacc attttcatct gatcctcata atagctgggt ttcaaaggga 120
atgcttccag tttttgcca ttcagtatga tattggctgt ggtctgtc taaatagctc 180

```



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gtattatattt gaaatacatt ccacgcgatac ctagttttatt gagagctttt agcatgaagc 240
gggtgttgaat tttatcgaag gcctttttctc catctatttg gataatcatg tggtttttgt 300
ctttggttct gttcatgtga tggattacat ttattgattt gcataatgtt aaccagcctt 360
gcatcccagg aataaagccg acttgatcgt ggtggataag ctttttgacg tgcctgctgga 420
ttcggtttgc cagtatttta ttgaggattt ttgcatcgat gttcatcagg gatattggcc 480
tgaaattttc tttttttgtt gtgtctctgc taggttttgg tatcaggatg atgctggcct 540
tataaaatga gttagggagg attccctctt tttctattgt taggaatagt ttcagaagga 600
atggtaccag ctctctcttg tacctctggt agaattcggc tgtgaatctg tctggtcctg 660
gacttctttt gggtggcagg ctattaatta ctgcctcaat 700

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<210> 477
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 477
tgtgtctctg ctaggttttg gtatcaggat gatgctggcc ttataaaatg agttagggag 60
gattccctct ttttctattg ttaggaatag tttcagaagg aatggtacca gctcctcttt 120
gtacctctgg tagaattcgg ctgtgaatct gtctggctct ggacttcttt tggttggcag 180
gctattaatt actgcctcaa tttcagaact tgttgttggt ccatttgggg atttgacttc 240
ttcctggatt agacttggga ggggtgtatgt atccacgaat ttatccattt attattttct 300
agttttattg cgtagagggtg tttatagtat tctctgatgg tagtttgtat ttctgtggga 360
tgggtggtga tatccctttt atcatttttt attgcatcta tttgattctt ctctcttttc 420
ttctgtatta gtcttgctag tgggtctattt tgttgatctt tttaaaaaac cagttcctgg 480
attcattgat ttttttgaag ggtttttcgt gtatctcctt cagttctgct ctaatcttag 540
ttatttcttg tcttctgctg gcttttgaat ttgtttgctc ttgtttctct agttctttta 600
attttgatgt taagggtgtg aattcagtta tttcctgctt tctcttgtgg gcatttagtg 660
ctataaattt ccctctacac agtgctttta atgtgtctca 700

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<210> 478
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 478
gggtttttcg tgtatctcct tcagttctgc tctaacttta gttatttctt gtcttctgct 60
ggcttttgaa tttgtttgct cttgtttctc tagttctttt aattttgatg ttaagggtgt 120
gaattcagtt atttctgctt ttctcttggt ggcatttagt gctataaatt tccctctaca 180
cagtgcctta aatgtgtctc agagattctg gtacattgta tctttgttct cactggtttc 240
aaagaacatc tttatttctg ctttcatttc gttatttaac cggtagtcat tcgggagcag 300
gttggtcagt ttccttgtag ttgtgcggtt ttgagtgagt ttcttaatcc tgagttctaa 360
tttgattgca ctgtggctct agagactgtt tgttatgatt tctgttcttt tgcatttgct 420
gagagtgttt tacttccaat tatgtggtca attttagaat aagtgcgatg aggtgctgag 480
agttctggcc attacactaa taaagagcat ttcataattaa agaaacatgg gctgggtgag 540
gtgatgtaag cctgtaattt tgggaggcca aggtgcattt gcttgaggcc atgagtttga 600
gaccagcctg aacaacatag tgagaccctg tctctagaaa aattttaaaa attagccagg 660
cgtgggtggtg tgtgcctgta gtcccatcta cttgagaggg 700

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<210> 479
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 479
ataaagagca tttcatatta aagaaacatg ggctgggtga ggtgatgtaa gcctgtaatt 60
ttgggaggcc aaggctgcat tgcttgaggc catgagtttg agaccagcct gaacaacata 120
gtgagaccct gtctctagaa aaattttaaa aattagccag gcgtgggtgg gtgtgcctgt 180
agtcccatct acttgagagg ctgaggcagg aggattgctt gagctcagga ggtcgaggct 240
gcagtgagtg agctgtgact gtaccactgc attccagctt ggaagactga tgaagactct 300

```

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gtctctaaaa gagaagaatg gggcggggca tgctggctca cgctgtaat cccagcactt 360
tgggaggcca aggtaggcgg atcaccttag ttcaggagtt tgaaaccagc ttgtccaatg 420
gcgaaaaccc gtctctacta aaagaacaaa aattagccag gcatgggtgg gcacgcctgt 480
aatcccagct actccagagg ctgaggcaag agaatcactt gaaccagga gatggagggt 540
gcagtgagcc gagatcgtgc tactgcactc cagcctgggt gacagaacga gactgtctca 600
aaaaataaaa ataaaaataa ataattaaaa taattttaca aaaaacatgt atggatattc 660
ttacctttat ctctctgtac aaagactgaa cttcagtggg          700

```

<210> 480
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 480
gctgaggcaa gagaatcact tgaacccagg agatggaggt tgcagtgagc cgagatcgtg 60
ctactgcact ccagcctggg tgacagaacg agactgtctc aaaaaataaa aataaaaaata 120
aataattaaa ataattttac aaaaaacatg tatggatatt cttaccttta tctctctgtg 180
caaagactga acttcagtgg ataattccac agtctgctcc tccagttgct gacgacgttg 240
caaattagtg gatattctgaa gtttctcaga ttttagctca tttgtgtgac tttttagatg 300
ttgaatctgt tctgtctggg cctgtataag cttacgattc aattcaatct tactagaaac 360
tacacaaaaa catattatca cagtaattaa tgtaagggca tagaaaatac tatttgtatc 420
attcttccca tttttatcgg tctatggaat ccacaaatgc tatttctgtg ggccccaccc 480
actgcaacaa aaatacaatg agaaccctgc tagttctcaa atcagcttga tgttccctgc 540
tggccactca cagggaaagc ttacagggca ggtatgaatg agaaagaata cagctcatgg 600
ccaggcgcac tggctcacac ttgtaatccc agcactttgg gagactgagg caggtggatc 660
acctgaggtc aggagtccga gatcagcctg acaaacacag          700

```

<210> 481
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 481
gagaaccctg ctagttctca aatcagcttg atgttccctg ctggccactc acagggaaag 60
cttacagggc aggtatgaat gagaaagaat acagctcatg gccaggcgca ctggctcaca 120
cttgtaatcc cagcactttg ggagactgag gcaggtggat cactgagggt caggagtctg 180
agatcagcct gacaaacaca gtgaaacccc atctctacga aaaaatacaa aaattagctg 240
ggcatagtga tgtgtgcctg taacccagc tactcaggag ggtgaggcag gagaatcact 300
tgaacccggg aggcggagggt tgcagtgagc caagattgca ccattgcact ccagcctggg 360
cgacaaaagt gaaactctat cttaaaaaaa aaaaaaagga aaagagaata cagcttattt 420
catactctcc tactgttcaa aatctgttgt gcaaagtaag agaacaaaga gaagtgatgc 480
ttttcagaaa aaaagagcaa atatatgtgg acaggaagga acttcgttgt ccatgtaaca 540
gatataaaat tgactgtaaa aggcattgtc tcgcaatgtc aaagtctcta tgagtacaga 600
aggacacaga ctgtattacc tgtgtctaac ttgtgctgtt tctcttggtt ctctgggttg 660
acttggttga cagttcgatc taagtctatt ccttgtagct          700

```

<210> 482
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 482
aatatatgtg gacaggaagg aacttcgttg tccatgtaac agatataaaa ttgactgtaa 60
aaggcatgtg ctgcgaatgt caaagtctct atgagtacag aaggacacag actgtattac 120
ctgtgtctaa cttgtgctgt ttctcttggt tctcctgggt gacttggttg acagttcgat 180
ctaagtctat tccttgtagc ttagctgctt gttgtgcaat ttttctttca acatctttaa 240
gttccatctt aagaatataa caaatgatt tcctttaata aacttactgc attattcaaa 300
atctttaaaa attaattgct cttatcatth attttttaaa tctaaactta taaaccattt 360
ctagatacaa ttttagcaaa gttaaatagg ataaaagtga aattaattat cagcaattca 420

```

```

aatgatgtaa acaaaaggaa gctgactaaa gatgaaaaac aaacagaact gtcttaattt 480
ttaaatttat gaattaaaaa gtttaaacc caggatgtaa actaagcagt ttctccctga 540
gggtatctga aattcaggat ggggaattct aaacacaacc tgtacctgaa tactagctac 600
tatttttaac tctcacactt caaattcaag ccaccatgga acaagtttta ttctgcctta 660
aactacaata aacttacctg gaacctctcc ataattgtaa 700

```

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<210> 483
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 483
agtttaaac cagggatgta aactaagcag tttctccctg agggatctct aaattcagga 60
tggggaattc taaacacaac ctgtacctga atactagcta ctatttttaa ctctcacact 120
tcaaattcaa gccaccatgg aacaagtttt attctgcctt aaactacaat aaacttacct 180
ggaacctctc cataattgta acatctgtca ggcatacttt ggcactttct tcttcaggca 240
ttattgtacc caagagtgtt tcttggttct ctatgtcgtt ctttaggcgc tgtatgtctc 300
tattgacatt ctgcagtttg tttcttaatt ctggtatttc cttctccttc aaatcaatta 360
tgctttgcct aaatagaaaa cacaattaaa aataaagtat ctgatgtttc tcacagttag 420
actgaggtta tgtattttta ggaagaatag cacagaagtg acattgtgtt cttttcaggg 480
tatcatatca gtggatatgg aatcatgata tcaatatgtc ttattactga tgatgttaat 540
ccttattcac ttggcttaga tgggtgttggc caggtttctc cactgtaaag ttactgtttt 600
agtctttgta attaacaagt atcttaggag agaaatgttg agactatgta aatatcttgc 660
ttctcaactt tctgcctact gatttttagta tccactgaca 700

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<210> 484
<211> 700
<212> DNA
<213> Homo sapiens

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atggtgttgg ccagggtttct ccactgtaaa gttactgttt tagtctttgt aattaacaag 120
tatcttagga gagaaatgtt gagactatgt aaatatcttg cttctcaact ttctgcctac 180
tgatttttagt atccactgac agatcttgct tgcaataatt attactgtgg tgtttgtcaa 240
actgagaaat attctactaa tgaactgggc atattgacca aaagtgttaa ggtcatgaaa 300
gataaagaca gattgtttaca gactgcagga gcctaaggag aaataacaac tagatgctac 360
gtgggatcct gcatggaacc ctgaaacaga aaaggcattg atggaaaaac tgctaaattc 420
gatatggtct gtaatttagt tagtagcatt atatcaatgt taatcctggg tttgataact 480
gtattataac agagtacata aattgttaac atcaggagga gctggatgag ggatataat 540
gaataatttg tattattttt ataatttttc tgtaatccta acattatttc aaaataaaaa 600
tttttttaaa tacaggaaaa aaaggaagga agccagccac taagtgaat gctacatggg 660
tttaaggtag aaaatgtcaa cccattttac tggtagctac 700

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<210> 485
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 485
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tataattttt ctgtaatctt aacattattt caaaataaaa attttttaaa ttacaggaaa 120
aaaaggaagg aagccagcca ctaagtgaat tgctacatgg gtttaaggta caaatgtca 180
acccttttta ctggtactca ctactgtagc taatgaatta ccacctccat ggcaggtagt 240
gacaactatt tttgctgatg cctctgaaac aataatatgt atttaatctt ttaaaaaaaa 300
tttacttcag aaatattcca aattcttatt taaaattata ttgaattagt atgacaaagc 360
agtagaataa attaaactgg tctctaatag gagtcttatt ataaacttaa agaataacca 420
gaaactcaag tggctattac ttaatgattt tttaaaaatg caaactatga ccaagaaatg 480
ccaacctgac ctgtggcaac agacctatag ttttttaaaa ttttttaatt atttatttat 540

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ttttatgctt taagttctgg gatacacgtg cagaacgtgt gggtttgcta cataggtata 600
cacgtgccat ggtgggttgc tgcacccatg aacccatcat ctacattagg tattttctcct 660
aatgctatcc ctcccctagc cccccaccag cagacaggcc                                700

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<210> 486
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 486
cagacctata gttttttaaa attttttaaat tattttattta tttttatgct ttaagttctg 60
ggatacacgt gcagaacgtg tgggtttggt acataggtat acacgtgcc a tggtgggttg 120
ctgcacccat gaacccatca tctacattag gtattttctcc taatgctatc cctcccctag 180
ccccccacca gcagacaggc cccagtgtgt gtgatgttcc cctccctgtg tccatgtgct 240
ctcattgttc aactcccatt tatgagttag aacatgcaat gtttggtttt ctgctcctgt 300
gttagtttgc tgagaatgat ggtttccagc ttcattccatg tccctgcaag ggacatgaac 360
tcatcctttt atatggctgc atagttactc catgggtgat atgtgccaca ttttctttat 420
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cgcaataaac atatgtgtgc atgtcagacc tacagttttt ttttatacca cagaaatagg 540
aggtatttgt attccacata ataaatatga aggtatgcag gttatgagta attccatgcc 600
aatgtttcct cttgaacact gttgtcacag attagtagtt ggccttaaat tatgtgcccc 660
atatctaaaa agtgacacag ctatgacagc ctaataatga                                700

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<210> 487
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 487
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aataaatatg aaggtatgca ggttatgagt aattccatgc caatgtttcc tcttgaacac 120
tggtgtcaca gattagtagt tggccttaaa ttatgtgccc aatatctaaa aagtgcacac 180
gctatgacag cctaataatg atggccaagc atttattaaa ctggggacat ctctgtgaag 240
aactgtaggc atacatacaa ttttaaccct atttttacat tttcctacac acacacaaaa 300
tctttcatca atatggtcta ggttttggtg ccttcttttt tgatgattac ataagatggt 360
aaaagaagtt ttctggccgg gtgtgacggc tcacgcctgt aatatgagca ctttgggagg 420
ctgaggcttg tgaatcacct gaggtcagga gttcaagacc agcctggcca acatggtgaa 480
accccatctc tactaaaaat acaaaaaatc agttgggcgt ggtgaagggc gcctgtaatc 540
ccagctactt gggaagctga ggcaagagaa ctgcttaaac ccgggagggt gaggttgcag 600
tgagctgaga ttgtgccact gcactctctg ggtttgtttt tctttttttt aaatttatga 660
cattttattt tttattttca agagttaatt tttctcacga                                700

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<210> 488
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 488
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tgcactctct gggtttggtt ttcttttttt taaatttatg acattttatt ttttattttc 180
aagagttaat ttttctcacg attcacaagg ttttttaaaa ttattttcaa tagataaaac 240
ataattgcaa acatttatgg ggtacaatgt gatgttctga tatatgtaca caatgcacaa 300
tgattaaata aaggtaattt aacatatcca ttaccttgcc tgcctatcat tttttataga 360
cagacatttg aaatttactc tttggatttc tgttttttca gaaactcaat tcacctattt 420
ttagacaaca ttctttttct aaggggattg tgtgtaaaaa ggctcacaca gatatggtac 480
tgaaaaaac ctgtgggaga aataccaatt gagtttgcac ttaaatgagg tgctataata 540
aatgaatctg agtcagtact agacaaaatg ataaacaggt acattttcag ctgagatctc 600
agtcgatgat ttaggtttat attagatact ggcgaatttg aggccttaaa tgaaaaatatt 660

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tcccgcaaag aagataagca agatatggct cccactacc

700

<210> 489
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 489
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 tattagatac tggcgaattt gaggctttta atgaaaatat tccccgaaa gaagataagc 180
 aagatatggc tccccactac ctctctgagc tcactctcca caacttttcc ctttggcctt 240
 cagggtcaat atgtctcaga gattttgcac tgcctagaat attcttctta tggacaactg 300
 catggctgac tccctcactt ctctcaagtt tccactccac tgccaccttc atcaagtccc 360
 ctectaccac ccttcagcta gtccctattc ccttatcttg ctgtagtttt ctcaatgccc 420
 ctgatcatcc cctggcatat tatatattta cttatttgtc atccatctcc tccccactgg 480
 gatataaact ccatgagggc agggactttg tccattttgt ttactgctgt attacctgca 540
 ctccagtaga ctgcctatat tggttgcatg aatagacagt tctcatgata gtggtggcat 600
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 tttacccttc ttcaccaata accttcacc taagtgacta 700

<210> 490
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 490
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 tgaaaaagca aatggtgcac agataaattt aatcttggtta ctttaccct cttcaccaat 180
 aaccttccac ctaagtgact atcataaata gacctccaca atgtctctga aagtgacccc 240
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 atcaatcccc tcactttacg tgggggatac gaaggcccaa atgggttaag taacatccct 360
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 gatgagctat aatcaatcac accactacac tccagcctgg gtgacaggag caagacccta 600
 tctatcaatc aatcaagtcc tcttaattca ttattgacct ttcatttgtg gatttattta 660
 aacttaaaaa aagtgtttta taatgttatt tcctactatt 700

<210> 491
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 491
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 ctcttaattc attattgacc tttcatttgt ggatttattt aaacttaaaa aaagtgtttt 180
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 cttctccagt tttccagaat ggcccactga cattctgtta gagcttgcta acaaacaggg 300
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 cctcacacat gtgtcctcac ttagcagccc tgccagcatc ttggtccatt ttcagtgtt 420
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<210> 492
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 492
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 aaagttacaa tatagaatat acaaagtgtg gggtgcctag tctctaggta accagaatgg 180
 cacacagatg ctactgcaga tatagggtta ggcagattca agtcagccac aagtacttcg 240
 acactcttcc catcaagaga tacagtatcc tccctcactg aatcttgga gtttctgtga 300
 ccactctaac caacagaaaa agaagtgtca ccatgccagt ttcttggtct aggccttaaa 360
 ggacttgacg cttctacttc ctgttcatgg aatacttacc cttaggatac tctgtttagt 420
 aacccagtca ctgtgctgcc aaaagcccaa gacgcacgca gaggccatgt gaagatgtcc 480
 ttttttgaca gcccagctg agctcccaga caatagttag catcactgtc agtcatgtga 540
 gccatcaaga acatccagct cggttatgct ttgagacgac tgcagccaac atctgactgc 600
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 aaaattattg tgagacagat ttgaggtttg ttacatagca 700

<210> 493
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 <213> Homo sapiens

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 aaagccacct agctgagccc agtcatacca cagaaccatg aaaaattatt gtgagacaga 180
 tttgaggttt gttacatagc aataaataat tggaaacagac attacagttc tcattcattt 240
 agcaaatagt tatcaaagtt gcaatataca aggaactgtg gagatacaac gagtaagaca 300
 tgcaccttac tcttagaggg gaaactgtgg cccagcacgg tggctcacgc ctgtaatccc 360
 agcacttttg gaggtgagg caggcgattg cctgaggtga ggagtttgaa accagtctgg 420
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 cgtgcgcctg taatcccagc tacttgggag gctgaggcag ggaatttgct tgaaccgggg 540
 aggtggagat tgcagtgagc caagactgcg ccactgtact ccagcctggg cgacaaagca 600
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<210> 494
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 <213> Homo sapiens

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 aaaaaaagga gccgtgatag ctagggtcct aaaatataat acgatgttaa tttctgccat 180
 ttattgtata acagtctaac acagaactaa gctcatatct ctactacgtg tactttctac 240
 caatttcaaa ttttatccat ttgatctttt tcttttcaag atactacctt attcctctcc 300
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 cttctgactc agggctctcg atgaagtgcg aatcaagctg tcagccagga ctgcagtcat 540
 ctttaaggctt gactgtaca aagtctgctt ccaaactcac ttgctcaaag gcctcaggtc 600
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 aagagacaga gggagacaga gtgagttaga gaggggagga 700

<210> 495
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<212> DNA
<213> Homo sapiens

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cagagggctg cttgcaacat ggcagctagc ttccctcaga caagagacag agggagacag 180
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gtttcagtc atataatta attagattaa ttttctctaa atacatctt cactaactcc 600
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<210> 496
<211> 700
<212> DNA
<213> Homo sapiens

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acctatcaga gttacaacta gacctgaata taatgtagcc ctatctcccc aacatacagg 180
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agacactaag gcaatcatca catatttctt gacttgattt ttgtttgtaa acagaacata 600
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ttcttttagc aagtggaaaa gacattaaaa acatagttta 700

<210> 497
<211> 700
<212> DNA
<213> Homo sapiens

<400> 497
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gtgatggaaa atataaacia ccgaaaatca tctatgattc attcttttag caagtggaaa 180
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<210> 498
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<212> DNA
<213> Homo sapiens

<400> 498

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tcatgccact gcactccagc ttaggtgaca gagagagact ctgtctcaga aaaaaaaaaa 180
aaaaagaaaa aaagacagga aacaagctta tctttaaaca aaataattga atcttcttat 240
catagaagtg atataagaca gggcatacca gctcagagtc cttactgagt aactaccatc 300
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gccagcatgg ctattttaag aaaataaatt atatcaccaa tgagaaaaaa acataaaata 660
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<210> 499

<211> 700

<212> DNA

<213> Homo sapiens

<400> 499

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gtataaatat tttttggtaa cacattataa gtataacaaa atgcctactg agagctttct 360
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gtgtcaaagt atcctgataa tataaagtag acaacttacc tcgctgtttt gatgattttt 660
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<210> 500

<211> 700

<212> DNA

<213> Homo sapiens

<400> 500

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atataaagta gacaacttac ctcgctgttt tgatgatttt tcaatttcct ctttaagcct 180
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gagtttggtg tgaccaaaata atttttttca gaagttgagg gactagtcca cttctgcctt 480
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aatgtacac agaattctgc ctggtttctg ggggttcatg gtctttgatc ccaggttaag 600
cctcagcaag atgcttgcta ggactattgg acagaaagaa gacaagagaa catccccgta 660
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<210> 501

<211> 700

<212> DNA

<213> Homo sapiens

<400> 501

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acatgcttct tcatcatgac taccatcct gagtcacagt aaacatttgg aaaaaagtaa 600
ctaatatgat gatattttca ttatcctaga ctcccttgag cacttctcat caagatcacc 660
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<210> 502
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 502
actttgagaa atttgtttca gataaatgtg tgtgactgca cacatgcttc ttcatcatga 60
ctacccatcc tgagtcacag taaacatttg gaaaaaagta actaatatga tgatattttc 120
attatcctag actcccttga gcacttctca tcaagatcac cagtgcacta agtgccaagt 180
acagtcttca tcttactcta cctctacgta gcaccaaaca ctgttgacct tctccttgaa 240
gactattttc ccaaggcacc tagacaccac agctatctgg ctctcaccct gggtccctgg 300
gcacatccca gtttccttca cttgtctcct ttcctttgcc tgctaacatt ttaaattgtt 360
gtgcttccca ggaatctaata tgtaaactct tccctttgca taactctctc aagggtgacat 420
actaatgact ttgagtatcc cttacatagc aacaacttcc aatctcctga atttcaaact 480
ccaatattgt attccctcac agatacttcc acaagaaaca cagattaaac accaccaag 540
ccaagtcctt ctactttcct caaaaatctg tgtggaattt ttgaccgct tatccaacca 600
ctatccaagg taacatctga gaaacatgat cactttttat aatggattac tcacagaaat 660
gaaaatagaa tttttaaatt ttaactctca taggtctaca 700

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<210> 503
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 503
cagatacttc cacaagaaac acagattaaa caccacccaa gccaaagtcct tctactttcc 60
tcaaaaatct gtgtggaatt tttgaccgc ttatccaacc actatccaag gtaacatctg 120
agaaacatga tcaactttta taatggatta ctacagaaa tgaaaataga atttttaaat 180
tttaatcttc ataggtctac aaattttcaa gggacaagag gcctaaatta ctatccgtta 240
ccattttact taatttgcaa aatatgaggg gtcttcaaaa tgttcatgga aaatgtgtat 300
tataaaaaaa actatgcatg aagttcaaaa tgttttgcac tgaaacaaac tcataactaac 360
ttgttataac atgtctgaat aggatctagt ttaaggcact aacaaggtta agacatcagt 420
ttgaaaagag ccccaattaa actgaagcaa gaacaagtat caaatttatg gtgaagtgtg 480
gggtggaagaa tggtgaaatc attgatactt tacaacaagt ttatgagatc aatgccccaa 540
acaaatcagc agttttacaaa tggataactc agtttaagaa gggatgagac gatattaaag 600
atgaagccca cagtgcacaga ctgttcacat caatttgtga ggaaaaaaa tcatcttctt 660
catgccctaa ctgaagaaga tcaatgatta acagcagaaa 700

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<210> 504
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 504
cattgatact ttacaacaag tttatgagat caatgcccc aacaaatcag cagttttacaa 60
atggataact cagtttaaga agggatgaga cgatattaaa gatgaagccc acagtgcacag 120
actgttcaca tcaatttgtg agggaaaaaa atcatcttct tcatgcccta actgaagaag 180

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atcaatgatt aacagcagaa acaatagcca acaccataga cacctcaatt gattcaggtt 240
acacaattct gactgaaaaa ttaaagttga gtaaactgtc tacttgatgg atgccccaaa 300
tactgcttc cagatcagct gcagacaaca gcagaacttc ctcaataagt gggatcaagt 360
tcctaaagca tttcttcaaa gaattgtaac aggaggtgat ggaatgtggc tttaccagta 420
caatcctgaa gacaaagcac aatgaaagca atggctaaca agtgggtggaa gtgggtccagt 480
caaagcaaaa gcagaccaga taagagcaaa ggcatggtca acagttgttg gggatgctca 540
aggcattttg cttgctgact ttctggaggg ccgaagaaag gtaacaactg cttattatga 600
gagtgttctg agaaagctag ccaaagcatt agcagaaaaa tgcccaggaa agcttcacca 660
gagagtcctt ttccaccaca acaatgttcc tgctcattcc 700

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<210> 505

<211> 700

<212> DNA

<213> Homo sapiens

<400> 505

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ataagagcaa aggtcatggc aacagttggt ggggatgctc aaggcatttt gcttgctgac 60
tttctggagg gccgaagaaa ggtaacaact gcttattatg agagtgttct gagaaagcta 120
gccaaagcat tagcagaaaa atgcccagga aagcttcacc agagagtcct tttccaccac 180
aacaatgttc ctgctcattc ctctcatcaa acaagggcca tttgcaagag ttctgatggg 240
aaatcattag gcattccact tacagtcctg atttggtccc tcctgtcttc tagtttctta 300
atcttaaaaa aatctttaaa gggcacccat ttttatgcta gcaatgtaaa aaagactaca 360
ctgacatggg taaattccca ggaccctcag ttcttttagga ctgaactaaa ttgctggtat 420
cactgctcag aagagtcttg aacttgatgg agcttatggt gagaaataca gtttatttaa 480
aatttttatc ttttaattcc atttttccat gaactttctg aagtctcctt gtatgtaaga 540
actaaagttt atcaatataa cataccattt catgacaata aattatttta aaacaattaa 600
acaggtaagc atgaaataag agattttctat tacatctcca aatgttgcaa cttacttcaa 660
tttggaagc ctgtccctgg tctgattaat ttcttttgat 700

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<210> 506

<211> 700

<212> DNA

<213> Homo sapiens

<400> 506

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catttttcca tgaactttct gaagtctcct tgtatgtaag aactaaagtt tatcaatata 60
acataccatt tcatgacaat aaattatttt aaaacaatta aacaggtaag catgaaataa 120
gagattttcta ttacatctcc aaatgttgca acttacttca atttggcaag tctgtccctg 180
gtctgattaa tttcttttga tttactatgt agccagtctt caagctgttt tttgttggga 240
aaatatccca acagtggagt taattcatca ctgtgcctag attttatttt tctgatttgt 300
tcatctttgt cagcctatag gtaaaaaaaa aatcttttaa aaataaagtc tataatctcca 360
cattatatca agaacaaaaa taaattctag actgactaaa gttctaagct taaaactata 420
aaaatatgaa aataaaatat aaaatttctt aaagttctta aagtcttcaa gtggggatgg 480
tctttctaag ccttaagagt ggagtaccaa gtggaacaat ataaaatttt aaaatttgtg 540
tatgttaaaa gttaacagta atgtgcatgt gtgtatatac atatataac atttctgtat 600
taactttttg taattaaaca ataactttta agcttgaaag tctattatat agagtactaa 660
gctcacttag cctctaaaaa atagtcaata ccaacttaat 700

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<210> 507

<211> 700

<212> DNA

<213> Homo sapiens

<400> 507

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tgagtagcaa agtcgaacaa tataaaattt taaaatttgt gtatgttaaa agttaacagt 60
aatgtgcatg tgtgtatata catatatata catttctgta ttaacttttt gtaattaaac 120
aataactttt aagcttgaaa gtctattata tagagtacta agctcactta gcctctaaaa 180
tatagtcaat accaacttaa taccttatag tctatgactt atgagtgcaa ggtaggctat 240
tttaagtacc agacagtata attagaacaa aaagaaaaat catactttgt ctttgggtcag 300

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catctccatt tgggtacgtg ttgttgatg atggtttaac tgctccatct cctgggtcaag 360
tttacgcagg gtccctgtcta agtctgcttt ttcatttttg agacttatta cttccatttt 420
taaggtttct acattgctgt ttttctcagc cttgcttaac tcacgttcct agtcaataat 480
tcatacaaat gcaaagggtg tatataatgt gtgcaagaat taaaataatg acaaagtgtg 540
ttagaaatta actactcctc agaatgttcc aaatattact gtttgcatcc aacaagagaa 600
aaaaacataa ggcactatat atgctcctaa gtatatctta ttaaagtgtg cttactatgt 660
tataatggta gagaattagt aaataaacct agaagggtca 700

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<210> 508
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 508
ttatatatgt tgtgcaagaa ttaaaataat gacaaagtgt attagaaatt aactactcct 60
cagaatgttc caaatattac tgtttgcatc caacaagaga aaaaaacata aggcactata 120
tatgtcttaa ggtatatctt attaaagtga cttactatgt ttataatggg agagaattag 180
taaataaacc tagaagggtc aaacaggaaa gaaatgtgag aattactgta aaattaggag 240
acatgtgtct aagtagacag attagtgtgt cctcagtcaa caattaaata tttattatgt 300
ccccatgtaa ttcactatat tgcctgggtg gtgaaacta taaaatagt gtgatgtggg 360
ccctgaccaa gtatctcccc accccaacaa gacaacactg atgaagtgtt aaactgacaa 420
aaatgtatgc tacaatgggt agttatggag caaaaataaa tgtttacata aattatcaag 480
atgggcttta agaagtttgc catgcttttag aatgcttact ttggtaatgg agatgtgaag 540
aaggaggaca gactagaagc aagaaagaaa atatggaaat acctgaaaag attggctaag 600
aaagttttta acacagaaaa agtaataata cagcaaaaat catctagaat tacaacgtgt 660
gtgacctaga ggaaaaatac ttgctttttt aaaacttttg 700

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<210> 509
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 509
ccatgcttta gaatgcttac tttggtaatg gagatgtgaa gaaggaggac agactagaag 60
caagaaagaa aatatggaaa tacctgaaaa gattggctaa gaaagttttt aacacagaaa 120
aagtaataat acagcaaaaa tcacttagaa ttacaacgtg tgtgacctag aggaaaaata 180
cttgcttttt taaaactttg gcaagtgttc tttttctttt ttttgagatg gagtccact 240
ctgtcaccca ggctggagag cagtggcgca atcttggctc actgcaacct ctgcctccca 300
ggttcaagcg attctcctgc cctggcctcc caagtagctg ggattacagg cacacgccac 360
cacgcccagc taatttttgt attttttagt gagacggggt ttcaccatgt tggctggaca 420
ggtcttgaac tcctgacctc acgttatctg cctgccttgg cttcccaaag tgctgggatt 480
acaggtgtga gacaccgcac cgggcctggg aagtgttctt aatcaagggt ctcataagaa 540
ttagccagtt ttgttggtgt ttgaatgtac atttctatgc cccattctca gagattttga 600
tttggaaggt ctgaagcttt aaggtctgag tacagtatct ttaaaaagct ccctatgtga 660
ttctaatttt caggctatcg ggttgtagaa ccaaagagtc 700

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<210> 510
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 510
cccgccctgg taagtgttct taatcaagggt gtcataaga attagccagt tttgttgtgt 60
tttgaatgta cttttctatg cccattctc agagattttg atttggaagg tctgaagctt 120
taaggctctga gtacagtatc tttaaaaagc tccctatgtg attctaattt tcaggctatc 180
gggttgtaga accaaagagt cagaagatca agatattcag atgaattcat tttacatgag 240
aataagacaa agttgatgtt tttattaaaa tgctataatc ttaggatcaa aaatagacaa 300
aatacttcta aaagtattat atcttaaaat tattagatta ttcaaacaat atcttacagc 360
ttttatgagc tcctgggtcca gttcaagaat cctgtctgaa gatccttcca actgctgtaa 420

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ttcatacttc acatttttca gctcattctg cttcttactt aggatttctg attttaactc 480
aattattctt cccagtccag ttttcttctc tcttatctca tctatctgtt tttgtttcag 540
agtctctttt tctgcaaagt cattctaaat gcatatgtaa agaattgagca ttaataattt 600
actaaacaat ttaagttttt taattgcaaa aggaatatat gtacactgaa gaaaatacaa 660
aaaagtagag tctgtgtgtg ctcagcaggg atatattcca 700

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<210> 511
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 511
gttttcttat ctcttatctc atctatctgt ttttgtttca gagtctcttt ttctgcaaag 60
tcattctaaa tgcataatga aagaatgagc attaataatt tactaaacaa tttaagtttt 120
ttaattgcaa aaggaatata tgtacactga agaaaatata aaaaagtaca gtcgtgtgtt 180
gctcagcagg gatataattc aagaaatgca tcattaggca attttatcat tgtgtgaaca 240
tcagaatgta ttacataaag cctacatggg atagtttaat acacacatag actatatggg 300
atagcctatt gtttatgggc tacaaccta tacagcatat tactgtactg aatacttttg 360
caactgtaac atgatgataa gtatttatgt atctaaacat atctaaacac agaaaacata 420
cagtaaaata cagtattata attttatggg accaatgtca aatatgtggg ctatcactga 480
ccaaaacatg tggttcaaga ctgtatttta aaaacaatca aaaccattac ccagagataa 540
tcattaactg tgagcaaagt ttttctctgc aattagtttt taaaaatttt tacttaaaac 600
caaataaaaa atgtagggtt acattttctt catattttta tctttataca cttaagaaca 660
tttgcttcaa taaagggttt tctgccttgt agcagatttt 700

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<210> 512
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 512
actgtatttt aaaaacaatc aaaaccatta cccagagata atcattaact gtgagcaaag 60
gttttctctg caattagttt ttaaaaaatt ttacttaaaa ccaaataaaa aatgtagggt 120
tacattttct tcatattttt atctttatac acttaagaac atttgcttca ataaagggtt 180
ttctgccttg tagcagattt tatcctaaca ctaatagaaa aatatgccaa aatggagtcc 240
aaccaaaaat taaaacaatt caagtagaga atatgatgca aacaaaataa caaatactgt 300
atttcaaaat acttgccatc agttgggttg cagtttttgc tcccccttct tgtctctctc 360
tcacaagttt gtgaaaattt ttaatctgtc tttcactgaa tgggtccacg tcaaagccat 420
ccaattctag ctgtgttgcc aaagactgaa ttaatgaatc tctagctcgg atatgttctt 480
gatggcgatc tgcttgacgc tgtagacgac cttttaaaaa aaaaatctca taattttttt 540
ttcaactggg gcttaaaaag ttgagatagc tgcagattca cgagttataa aaaataatgc 600
agtgtgtctc ttgtacattt tgcccagttt ctcccaatga taacattttg caaaactgca 660
gtaaaatatc acaaccagaa tactgatatt gatataattc 700

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<210> 513
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 513
ctgtagacga ctttttataa aaaaaatctc ataatttttt tttcaactgg tgcttaaaaa 60
gttgagatag ctgcagattc acgagttata aaaaataatg cagtgtgtct cttgtacatt 120
ttgcccagtt tctcccaatg ataacatttt gcaaaactgc agtaaaatat cacaaccaga 180
atactgatat tgatataatt catcaatctt attcaaat ttttcaattt atttgtacct 240
ctgagcatgt ggatgtgtgt atattaagtt ctatataatt ttatcacctg tgtcggttca 300
tatatccact atggcagtc aagatactgaa cagttccaat actacaagga ctctcttttt 360
gttctaatac taaccatacc tagctccctc ctgtcctttc tcttaccag tatccctggc 420
aaccactaat ttctccacta tttctaaaat tttgacatta taaaaatgtt atataaatgg 480
aaacatactg tgtatagcct ttttaagatt gcttttctc cagcataagt ctttgagat 540

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tcttcattca tacagaaaat gtataacatc atagtaggaa aaacgaccaa ataaacattt 600
tgtcctaccc tgttcaacaa gcagttctga tttttcctga ttgagaagcc tagattcttt 660
atthagtttt tccagttcac gatgacagtc taccaatttc 700

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<210> 514
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 514
ttttaagatt ggctttttcac tcagcataag tccttggaga ttcttcattc atacagaaaa 60
tgtataacat catagtagga aaaacgacca aataaacatt ttgtcctacc ctgttcaaca 120
agcagttctg atttttcctg attgagaagc ctgattctt tatttagttt ttccagttca 180
cgatgacagt ctaccaattt cctttctttc tcccttactg ttctctggtg attgtgatat 240
aagtcattta gttgctcatc agtcccttga aaaacctgtg taacacccaaa ataaaaagct 300
ttaatgtaca aacataagaa aatatgatca ctttgaggta tcaaataata accaaacctt 360
attcaatatc cttcatttta acatatacat agaagtaaca agatctgtat ttgttttttt 420
ccaatgtgga tggcaaaatg gattcaaata aagttcatta caataatccc aaaattttga 480
agcagaacaa aattctacca ccacaaacct tttccatttt ctcttccagt tcactattat 540
ctttctccat ttgtctcttt cggctatcca aggctttaat ttcattgtca agtttcatta 600
tttttagagag attatgttca atttctttta gacgattctg aaaataaaga aacattacat 660
aaataaaact cactatagct tacatggctg atagatgaag 700

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<210> 515
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 515
accacaaacc ttttccattt tctcttccag ttcactatta tctttctcca tttgttctt 60
tcggctatcc aaggctttta tttcattgtc aagtttcatt attttagaga gattatgttc 120
aatttctttt agacgattct gaaaataaag aaacattaca taaataaaac tcactatagc 180
ttacatggct gatagatgaa gacaagtaag atactccagg tccaggcatt tagtaaaagt 240
gatctcattt aaggctaaca ataacactgt agagcaggcc tagagaaaact gaagttcaga 300
gacattaagt aacttggccc aagtccctcac agctagtaga gagaagcagg aattaaattc 360
cacttctaac tccaaacacc atgtcctgtc ctcaacacct gccacaaaag tcattattca 420
ttcattgggc atttagagtt acttaatcct taaaaaggta actatttaat gtattttttt 480
aagtcaggac tactgagaag gctagaaatt catgggtgagt taccaatgca ttctgagcct 540
ataggcaaat ttacatgaag agtatacttt aatccaaagc ttgctcaacc acagaggact 600
ctgagcaagt aaagtacaac aaggagctc agtggcctgc tctgaggctc gcttccagag 660
acagctggtt gcctcatctc ccaggaatac tgggatctgg 700

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<210> 516
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 516
ggctagaaat tcatggtgag ttaccaatgc attctgagcc tataggcaaa tttacatgaa 60
gagtatactt taatccaaag cttgtcaaac cacagaggac tctgagcaag taaagtacaa 120
caaggagact cagtggcctg ctctgaggct cgcttccaga gacagctggt tgcctcatct 180
cccaggaata ctgggatctg gttcggggca ttctcttatt ggatgatgct ggggatattc 240
ttctagtgtt tgctctatg attccaaaac tgaccaactc ttcttctaag acatttttac 300
aacctacttt tattattatt atttcaaatg cagagacaag gtcttgctat gttgccttgg 360
ctggagtggc tattcacagg tgcaataaca gtgcaataca acttgaactc ctgggctcaa 420
gtgttctctc cacctcagcc tccaagtagc tgagactata agtatgtacc accatgcccc 480
gcagaacctt attttaaaact aacatatgaa gttattggaa tgcttagaca gcaattgcaa 540
gctttcataa ttgcacaaa atgcacctc gactttaaca taatttatta aaattatact 600
aatagtatag cttgtgattt gtatatgaac gtaaactgtc atatacaaat gaacctaaaa 660

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acagaaactt tgtttacttt gttccctaata gtatccccag 700

<210> 517
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 517
 taacatatga agttattgga atgcttagac agcaattgca agctttcata attgcaccaa 60
 aatgcatact cgactttaac ataatttatt aaaattatac taatagtata gcttgtgatt 120
 tgtatatgaa cgtaaagcgtt catatacaaa tgaacctaaa aacagaaact ttgtttactt 180
 tgttccctaa tgtatcccca gaacatgcaa taggtgttca atgttagcta aacgaaagag 240
 agatttgaaa aaaataattt taccaagagc aacagtcaca ggtatcactg attgaatgtc 300
 tgctatgttc cagacactgt actaggtgct gctataaatt ctctctaata ctcacaaaag 360
 tatatactaa gcaggaaatt caaaggactt aactgacttg tacaaaattg tatagttaag 420
 attgggagac aagataacaa taagattaga aggcagggtg tcataatgac taggctctgg 480
 gtgctagaag aagtggacat ttgtatgtaa gaaagtaaac ctcaactttt acctcatatc 540
 atattaagat tctgaaatga agcatatact taattgtaag aactcaaaact ataaaacttt 600
 tagaggaaaa cactgaagaa tatttttgtg acactgggtc aaagacttcc taaataataa 660
 acaaaaagta taaaccataa gagaaaaaag ttataaaact 700

<210> 518
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 518
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 aagcatatac ttaattgtaa gaactcaaac tataaaactt ttagaggaaa acactgaaga 120
 atatttttgt gacactgggt caaagacttc ctaaataata aacaaaaagt ataaaccata 180
 agagaaaaaa gtttataaac tgtacctgat caaaatttaa aactcctgtc ctctgaaaag 240
 cagttaagaa atatctgcaa aaccaatata tgataaagggt cttgtatcca gaacatattt 300
 agaactctct gcctggcact gtagctcaca cctgtaatcc cagcactttg ggagactgag 360
 gcaggctgat tgcttgagcc cagaagtttg agaccagcct gggtaacctg gtgagacctt 420
 gcctctacaa gtctcaccgg tgtggtgagt gtgtgcctgt agtcccagct acgtgggaga 480
 ctgaggtgga aggatcactt gagcctggga gtcagagggt gcagtgaagg aagatcacac 540
 cactgcactc tggcctgggt aagacagcga gacctgtct caaaaaacaa gaaaaaaa 600
 aaaaaaaaaa agaactctca cagctcaata ataaatgac caataaataa ataacattga 660
 aaaataggca aaagactttt atattttact aacgaagata 700

<210> 519
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 519
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 taagacagcg agaccctgtc tcaaaaaaca agaaaaaaa aaaaaaaa aagaactctc 120
 acagctcaat aataaaatga ccaataaata aataacattg aaaaataggc aaaagacttt 180
 tatattttac taacgaagat attcaggtgg caaataaata catgaaaaga tgctcaaaat 240
 caataatcaa ttgactgatc aactaggaaa acacaaatta aaaatataaa gaaatacaac 300
 ctcaaatgt cacaatgaga cactaccaca cccctactgt tatggctaaa atgaaaaaga 360
 ctgacagtac taagtgggga tgagaatgca gagcaattac attcccataa attgttggtg 420
 tattgttggt aggactatga agtggtacca gatggtacag ccatctggta acttataagg 480
 ttaaacatat atttaccaca cgacctagca acccgagtcc taaagttatc caaagacctg 540
 tatacagaag tttatagcag ttttatctgt aacaacccaa agccgaaaac aacttatttc 600
 tttttattat actttaagtt cgagggtaca tgtgcacaac atgcagggtt gttacatatg 660
 tatacatgtg ccatgttggt gtgctgcacc cattaactcg 700

<210> 520
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 520
 acgacctagc aacccgagtc ctaaagttat ccaaagacct gtatacagaa gtttatagca 60
 gttttatctg taacaaccca aagccgaaaa caacttattt ctttttatta tactttaagt 120
 tgcagggtac atgtgcacaa catgcagggt tgttacatat gtatacatgt gccatggttg 180
 tgtgctgcac ccattaactc gtcatttaca ttaggtgtat ctcctaagtc tatccctcct 240
 cccctccccc accccacaac aggacccagt gtgtgatgtt ccccttcctg tgtctgtcca 300
 agtgttctca ttgttcaatt cccacctatg agtgagaaca tgcgggtgtt gggtttttgt 360
 tcttgcggtg gtttgctgag aatgatgggt tccagcttca tccatgtccc taaaaaggac 420
 atgaactcat cattttttat ggctgcatag tattccatgg tgtatatgtg ccatattttc 480
 ttaatccagt ctatcatcat tggacatttg ggttggttct aagtctttgc tattgtgagt 540
 agtgcctgca taaacatata tgtgcatgtg tctttatagc agcatgattt ataactcttt 600
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<210> 521
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 <212> DNA
 <213> Homo sapiens

<400> 521
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 ggtggcttgg gtcaaagtgt atttctattt ctagatcctt gaggaatcgc cacactgaca 180
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 gacacatgaa aaaatgctca tcatcactgg ccatcagaga aatgcaaatac aaaaccacaa 480
 tgagatatca tctcacacca gttagaatgg cgatcaataa aaatcaggaa acaacagggtg 540
 ctggagagga tgtggagaaa gaggaacact ttacactgtg tggagggact gtaaactagt 600
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 <213> Homo sapiens

<400> 522
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 tgtccatcag ccacagaatg gatgaggaaa aaaattataa tacatgcata caatggaagg 180
 aatgctcctc cacaataaaa aggaatgaat tgccgggcac agtggctcac acctgtaatc 240
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 caacatagat aaatcccaga cacaaaagtc tgcatactgt atgattctat atatgtgcca 600
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<210> 523
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<212> DNA

<213> Homo sapiens

<400> 523

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ctataatgac agaaaaacaaa ttagtggtta ctatggatgg gagcagggga gaggactgac 180
tgcaaggact ttgagagaac tttttggagt gactgaaata ttctacatct tcatttttagt 240
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ctggatggat acttaagagc aatgaatact aacagctcta ctatgatact ctacaaagtg 660
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<210> 524

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<212> DNA

<213> Homo sapiens

<400> 524

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caatgaatac taacagctct actatgatac tctacaaaagt gctcagtttc tttccatcag 180
tgttttcact gcctcttggt agcacaaaca ttatgataat catctgggct tggatctttc 240
atgacatctc tacctgcttc attccttaaa tccagccagt caccagatcc cctgaattcc 300
ttctttgaca tctgtgtttt gggttctaac tcagagcaca aaacataggt tctatcccca 360
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caagggttta aagcttaggt gccagtgtga aatgagataa aaaaaataga gcagctgggc 480
tatcaagtat agaaggacca tgaacttggt tgcagaaaaa aaaagttaga aacatattcc 540
tctagcaatt cccatttaag gcaagaaagg aaaacagatc taagtaggcc aaaaaagag 600
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<210> 525

<211> 700

<212> DNA

<213> Homo sapiens

<400> 525

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gtaataaaagt agtttatgag agagttagag ttcccgaaga taaagggaat cagtaaaaaat 180
gggaaaggat gcattctagt gcatggttga aaggacgtag tcttttctgg gaaggtgatt 240
tgacccaaac ttttaattggg ttctatgaag ggaagaatct tcacatgtca gagctaaaaa 300
aaaggacttt ggaagtcatc tacttaataa acatttattg aaccacctgc tatgtgccag 360
gcactaggct aggctctgag gatacagaga agaataattaa acccttggag aattactcac 420
aattaacac aaacaagtaa ataaatacct caacctctgc tacagccttg gttagaatct 480
tggcaccact cactaaatcc taggtattat catttagccc taccttgaca tcatttccaa 540
tataaatgct tcattttcaac aatatggatt tccttgacag tgttcaaaaga cagcttggat 600
tttactgtct ctatgtctcc aatgacttac tcatttatga tcaaaaaagt catggccaaa 660
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<210> 526

<211> 700

<212> DNA

<213> Homo sapiens

<400> 526

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caatgactta ctcatttatg atcaaaaaag tcatggccaa attcagtcct atgaaatcct 180
ctctggctac ctcagataga aattctcttt ctttatcctc agagctccta cagggtcttgt 240
ttttttctct gccttaccat tacatgtgct tgtcatctct ccaaccaaga tgctcctcaa 300
gaaaataaaa cgtggagtg ggcaagggg aaagaagaaa aaaaaaggaa atctgttcta 360
atatcttggg aattaccacg ggaccacac agagttatca ggacaactca tcctaaaata 420
taacatagtc ttccactctt ctgtctattg aactaagtct gaaatccatt agctttctat 480
aatctgaccc cgattcatat tggtcattta ctccttttat attgatttac ttaaccaga 540
ctcttcctct cataatcctg ttctgattaa gcttgtaaag gtaaatatgc acatacatc 600
aagtgaatgt ttgtatatac atatgtattg tatatatgca gttaaaaaaa gttgcaggta 660
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<210> 527

<211> 700

<212> DNA

<213> Homo sapiens

<400> 527

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catatgtatt gtatatatgc agttaaaaaa agttgcagggt aaaatatact ctggaagggt 180
agagatgaga aatggaagac tatcttttac ttttcaccta atatcctttt ataacttttt 240
tactaggggc acatattact tttaaaagaa aagtcaaaat aaatacaaac atttccagggt 300
gcggtggctc acgcctgtaa tccctgcact ttgggaggcc gaggcgggca gatcacttga 360
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aaaaaattct attttttttt tttattttagc cgggcgtggt ggctcatgcc tgtaatcca 480
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ccgagatcgt gccactgcac tccagcctgg gcaacaaaag tgaaactcca tctcaaaaat 600
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<210> 528

<211> 700

<212> DNA

<213> Homo sapiens

<400> 528

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aacatgtata aaatgtcttc tagtttgctg acttgatttc ttcccattct tcaaggccca 180
cctcagccct acctcctccc agaagccctt gcaatatatt tctatgcatg gccatcatta 240
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gggtgcagtt gtagtcctct ttgtacccaa gcacagtata ccctggtaca aagaagacac 480
ccaataaatg cttattaaat gaatgaatgg aatttcctgt aggcctttct tataaatcac 540
cgggttgagg aaggataact catttgcaaa tatatgaaca tgttatggat caattccaaa 600
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<210> 529

<211> 700

<212> DNA

<213> Homo sapiens

<400> 529

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attaatacag aactgtaagg ttgggtaatg atattgctat ttaacaccta gtgatctata 240
ctactaattt agtgtgatgc tacaaatttg ttttctttca aatccaagct ctttcagcaa 300
tttaaagact aacatagacc taaaacatta gctccctgat aattcaagaa atatacaagc 360
cattcagttt catatacaaa taaggggaga atgctactat agcaaaaaaa ggactaccta 420
tttagtatac aagaaattaa ctactgtaca tcactgtgac tttagttaat aacaatatat 480
aattgctaag agagtagatt ttaagtgttc tcaccataaa aaaattgaag taatgaacgt 540
taaatagctt gatttagcca gtccacgatg tatacttata tcaaaacatc atgctgtata 600
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<210> 530
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<213> Homo sapiens

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<400> 530
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ttgtcaatta aaaataaaat caagttacct tcaatggatc aagttcattc tcataggatt 180
tgacaatttc ctttgaagat gttaactggg cttccttact tgtaatctga tcacgaatct 240
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tctgaccttg tgtctgacgt acctgccgaa gtgtttctaa ggctttaatg tatctttgaa 360
gatatgaaac aaaaatcaaa tttctggcaa agtaaattat ggtatatatt catacagtgg 420
gatattatgc tgtcactaag attacagtta caatgagttt ttaataactt gtaaaatgcc 480
tatgacataa tggtaagtga aaaaaattac atttatactg tcaatcaggt aaataaata 540
acgcacagaa agacaagtga aagaaaatat gcccaatggg tgctgctgga tgagaggtag 600
taactgatga cttttctgct ttttaaat 660
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<210> 531
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<212> DNA
<213> Homo sapiens

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<400> 531
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tttttaaaat ttttctgtta aaaagaagca tccaaattgc aaacacagtt caataactta 180
atggactaca aagtctat 240
ttttgcttca aagcctttcc ttcaacttaa ggccaattag aatcttcttg atgacagaaa 300
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gctaaaaagt gtaactctta aactatttaa cggttcacag atgaaaagat atgtaaaaca 600
aagtagttca ggaaagggaag ccagaattta ttttttacat atttggaact ttaaataata 660
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<210> 532
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<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 532

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gccagaattt atttttttaca tatttggact tttaaatata ataatttaga atacttagag 180
atactatata gagcattaac tgtcttaaaa ataagagaca aagaataaaa caaaacatga 240
tgatcaatag cagacaggca aaggtaagtt aaaaacatct tagaatgggg ttctttcttc 300
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caatttgtat tttgaaaata ttacactggg ccaggcacgg tggctcatgt ctgtaatccc 420
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tgggcacctg taatcccagc tccttggggag gctgaggcaa gagaatcact tgaactcggg 600
gaggttgcag tgagnngaga tnnnnncatt gcactccagc ctgggnnacn agagnganac 660
tcngtctcaa aaaaaaaaaa aaaaaaaaaa nnnnnagaaa 700

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<210> 533

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 533

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atnnnnncat tgcactccag cctgggnnac nagagnana ctngtctca aaaaaaaaaa 180
aaaaaaaaaa annnnnagaa aaaaaatnnn atnntgaatn tnttaagnnn gntttgcaga 240
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tagattaaat tcataggtct cagtaataga ctggatatgg aaggcaaaga catatcaaga 420
cttaggttct tggcttttgt cactggacgg atagtgggtat cattcaccaa ggtgaggtat 480
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tttggttttg gaaacgttga acctaagttg tctttgaaac aactggtaaa aaaaatcaga 600
gatggggctg ggcgcggtgg ctcacgcctg taatcccagc actttgggag gctgaggtgg 660
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<210> 534

<211> 700

<212> DNA

<213> Homo sapiens

<400> 534

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gctcacgcct gtaatcccag cactttggga ggctgagggt ggcggatcac gaggtcaaga 180
gatcaagacc attctggcta acatggtgaa accccatctc tactaaaagt acaaaaatta 240
gccaggcatg gtggtgcacg cctgtagtcc cagctactca ggaggctgag gcaggagaat 300
cgcttaaacc cgggaggcgg aggttgcagt gagctgagat ttcaccactg cactccagcc 360
tgggtgacag acagagcaag actccatctc aaaaaaaaaa aaaaaaaaaa aaaaaatcag 420
aaatgggtaa ataggtctgg gtaaatgggt ctggaaacag aggtctggtt tggagatatg 480
acataaatct gtgagtcac tatgaacaca gagtagtttg agcaatggat aagaatgtga 540
ttacctagga agaaaatata gagcaaaaaa aaggagaaga tacaggactg agcctaata 600
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<210> 535

<211> 700

<212> DNA
<213> Homo sapiens

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tggggtgaat gaagtagtat gtagctgtga tagaaagaga gaacagtatt gtatcatgga 180
gggtctagaaa aagaaatttt caaataaaaa gtaataaaact agcattttact tagctatggg 240
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<210> 536
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<212> DNA
<213> Homo sapiens

<400> 536
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catcttgatt ttagcccagt gagacccaat tcagacttct aaactacata agtgaagat 180
aataaatttg tattgtttat agcactaagt ttgtggtttc ttatagcagt catagaagac 240
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<210> 537
<211> 700
<212> DNA
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<400> 537
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acctgcttga gaagccagta tagtgcctcc agcacatagt agatgtgcat tattgggtta 180
ataaagggaat tacttagcta gttaaataaa agggaggaga agaagctgaa tagtcaagta 240
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attagaaaat gatacctgcc tctaacagaa tgataatggg tgaaaggaac aatttatcat 360
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atagtatcca caaaaaatca aatgttcata gtggaggagg ctgtgtgtgc gtgggggtag 600
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<210> 538
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<212> DNA
<213> Homo sapiens

<400> 538

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tactttctgc ccaattttgc tataaaccca aaactgctct aaaaaataa agtctaaagt 180
ctattgaaaa aaatttaata tgctccctta aacttatagt agaaaacaac catcaactta 240
cagacctaaa agactgaaaa tgaacagaaa ttcaaatac atataaacac ctactttgtt 300
ctagtaatga ctcttccag agttttaaat tctgtctttt tgcttttctg agtacacacc 360
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gctctcacat ctgtttcttg agcaaccttt gaaggaaaac acagaaaaaa cttatgttac 480
ttaataaagc accagtgttg gttctgagaa aaaggcataa gcaatcttac ccaaatgag 540
ggaacaaaaa gaaaaacatc caaatgagt gatattttta catgctatcc aaaatataga 600
agaatactgt ttaattaatt tacaaaaatg atatactatc tacctccttt attcagcatc 660
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<210> 539

<211> 700

<212> DNA

<213> Homo sapiens

<400> 539

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ttacaaaaat gatatactat ctacctctt tattcagcat cattaggaga tcagggtatgc 180
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cagggtctttc ccatgctgtt cttgtgacag tgagtaagtc tcacgagacc tgatgggttt 420
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tccattaaac cttttctttt gtaaattgtc cagtctcagg tatatcttta ttagcagtg 600
gaaaacggac tcatacagta aattggtacc aggagtggag tgctgctgaa aagttatccg 660
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<210> 540

<211> 700

<212> DNA

<213> Homo sapiens

<400> 540

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<210> 541

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<212> DNA

<213> Homo sapiens

<400> 541

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<210> 542

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<212> DNA

<213> Homo sapiens

<400> 542

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ctgcctagtg gagctgtgag aagacagcca ctgtcctcca gactggtaga tccccagaa 180
taatagatcc actgacagct tgcactgtgc acctggaaaa actgcaggca ctcaacacca 240
gcctgtgaaa acagccagga aggaggctat acctgcaaaa gccagaagtg gagctgcca 300
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ctgtagcccc tttgttttgg ccaattttct ccatttggaa tggctgtatt tgcccaatgc 480
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cagaagggac ttgccttata ttgggtaaga ctctggactg tggacttctg aattaatgct 600
aaaataagac tttgggggac tgttgggaag gcatgattgg ttttgaaatg tgaggacatg 660
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<210> 543

<211> 700

<212> DNA

<213> Homo sapiens

<400> 543

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ggtggaatca tatggtttgg ctgtgtctcc actcaaatct catcttgaat ccccatgtgt 240
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ctcatgatag taagtctcac gagatctgat ggtcattata agggggaatt ttctgcaca 360
agctctcatt tgccaccatg tgagacatga ctttcacctt ccaccatgat tgtgaggcct 420
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tggttatgtc tttaacagca gtgtgaaaat ggagtaatac acagaactac agtatacata 540
gctttcctgc ccccaaacc acatgagagt aagttgctga tctgatgtcc caacaccagt 600
atttcctaca aaacaaggac attttcaaca acaaaaatca ggaaactgat actgatatat 660
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<210> 544

<211> 700

<212> DNA

<213> Homo sapiens

<400> 544

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cattttcaac aacaaaaatc aggaaactga tactgatata ttattaccac atgggtccaca 180

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aatcccatc aagttttgcc agttgttcca aaatgtgata agttaccatt aactcagctg 240
tggcatataa aataatgggt ctccaaagat gtccacattc taatcccttg aatttgtgaa 300
tggttacatta cacagcaaaa gagaattaac attacagatg gaactggggg gtcaatcact 360
tgacttttaa atagaaagat taccctggat tatttgaatg aggcaaagta tctacaaaaa 420
gttagatgct gatagtagag gaggttgtgt gtgtacaggc agggaatata cagaaactgt 480
actttctgct caattttgct ataaacccga agctgatcta caaaataaag tttaaagtct 540
gttgaaaaaa atttaatatg ctcccttaaa gtagtagaaa atgaccatca tcttataaga 600
cctaaaagac caacaatgaa cagacattca aatatcatat aatcacctat tttttctgat 660
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<210> 545
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<212> DNA
<213> Homo sapiens

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<400> 545
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acagacattc aaatatcata taatcaccta tttttctga tgtcttctgt cttatatata 180
tatggctact tcagcattct tttcattagc tggcacggta tttttttcc atccttttgt 240
tttaaaccca tctgtactat tatatataaa aacactgtta ttccttttac tttatttagg 300
gttttttggg tattgtcctc cttttttctc atgtttttat ttttatgttt ttatttatat 360
ctatgaacat agttataaga ttataataaa gattttaagg ttcttatcta ctaattctat 420
catctattca tcctagggg acttctgtgg atgccttctt cactcagtcc tacctaattg 480
cttttggaact gaattaatca ggaatgaata actattcatc cattagttat gctgagagtt 540
tttatcatga atgagtatta aattgaaaag ctttttctgt atctattgat gctcatatga 600
tttttcttct ttattctatt actgtggcaa attatactga ttgttttttt ctttttctac 660
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<210> 546
<211> 700
<212> DNA
<213> Homo sapiens

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tactgtggca aattatactg attgtttttt tctttttcta cagcctaatt cacttgtccc 180
agtacgtcct ttagagcaaa aggattcagt tcagaattac actttgtatt tgggtgggtat 240
gtctctttac tttctttcag cctgaaatag ttgctcagat tttccttgac tttcatgact 300
gataattttg aaaagtacag accattattt tgcagaatac ctcccaaat ttgggtaata 360
tttctcaccg actagaatca gggtatgtat ctttggaag aatattatac aagcgatgat 420
gagttccttt tactgcatct catcagacag gacatcattt ccatttatct cattacggag 480
gggtattaact tcaatccctt tatttatttt tttagacag ggtctcactt tgtcatccag 540
gctggagtgc agtggcatga acacagctca ctgcatccac gacctctgag tcataagcaa 600
tcctctacc tcagccccc aagtagctgg gactataggt gcatgccacc acaccccgcc 660
aatttttgta gtttttgtag agatgtgggt tcaccatggt 700

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<210> 547
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 547
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caagtagctg ggactatagg tgcatgccac cacacccgc caatttttgt agtttttgta 180
gagatgtggg ttcacatgt tgcttagact aacttcaatc tcttgataaa ggtgtatctc 240
ctagcttcac caaaaaattt ttctttacaa ttaattaata atttgaggga gagatgcaga 300

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gaccatacaa ctatctcata cttcatcaaa ctttcttcca ttagtttttag catctactgt 360
ttcttacctg aatgaattat tattatgaca gctatcaaat acaggcatac cccatcttat 420
tgtgtctctc agaggtttgt ggcaaccctg catctaacaa gtctatcggg gccatttttc 480
caacagcatg tgetcacttt gtgtctctgt gtcacatttt ggtaattctc acaatatttc 540
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actactgtaa ttgttttgtt gccacaaacc atccacatat aagaggtgaa cttaatccat 660
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<210> 548

<211> 700

<212> DNA

<213> Homo sapiens

<400> 548

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tgccacaaac catccacata taagagggtga acttaatcca ttaacgtgtg tgtcctgact 180
gctttactga cctgccattc cgtctctctt ccctctcctt ggaacctgat tgcctgagac 240
acaataatat ggaaattagg ccaattagta accctacaac agcccctaag tgtttaagcg 300
aaagaagagt caaacatctc gttttaaatc aaaaactaga aatgattaag cttagttgag 360
aaaagcatgt caaaatccaa aacagggtga aagttaggcc tctttcatca gttagctgag 420
ttgtgagggc aaaggaaaag ttcttgaata aaattaaaag tgctacttta gtgaacacac 480
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tagattaaac cagccacaac attccctcag gccaaaacct aatccagagc aaagcccaa 600
ctctctgcaa ttctatgaag gctgagagaa gtaaagaagc tgcaaagaaa agttggaagc 660
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<210> 549

<211> 700

<212> DNA

<213> Homo sapiens

<400> 549

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cattccctca ggccaaaacc taatccagag caaagcccca actctctgca attctatgaa 120
ggctgagaga agtaaaagaag ctgcaaagaa aagtgggaag ctagcaatgg ttggttcatg 180
aggcttaaag aaagaagctg tctccacaac ataaaagtgc gaggtgaagc agcaagtgc 240
gatgcaggag ctgcagcaag ttatccagaa gatctagctc aggttaattga tgaaggtagc 300
tacactaaac aacagatttt caatgtagac aagaccgcca tccattagaa cttaacctgc 360
aatatctaag gtatgcctat agtaattttc tagttccatt attcctttta tattagttaa 420
ggttctagta taaggggctt tgctctttct ccatttcccc cccatttttc ttgtatcagt 480
ataaactcat agattcctta cttgggctcc aatccccac caggctgtca cagcttggtt 540
ttgtggatgc cttcctcact cagccacacc taacggattt tggactgaat tattcaggaa 600
ttaatatcc tccatcagtt atgctgaggg tttttaccac gaaagactat taaattgaaa 660
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<210> 550

<211> 700

<212> DNA

<213> Homo sapiens

<400> 550

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acttgggctc caatccccc cagggtgtc acagcttggt tttgtggatg ctttctcac 60
tcagccacac ctaacggatt ttggactgaa ttattcagga attaatatc ctccatcagt 120
tatgctgagg gtttttacc cgaagacta ttaaatgaa atgcgttttc tgtatctatt 180
gggtgttcata tgatatttct tttttattct gttaatgtgg caaattatac tgattgggtt 240
cttttctacc gtatctctct aagcattatc tagctgcacc ccacatattt ttacatgcta 300
tatttttgat tcatttaaag tattttttct aatttcctt gtgattcctt ttttgatcca 360
tgtaatatatt agaagtatgc tgcttaattt ttcaattatt tggggatttt ccggatactt 420

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ttctgctact gattctgggtg tagtcacaga atacattatc tatgacttta ctccattataa 480
atattattgac acttggtttta cagtccagaa tgttggtcta tcttacagaa tgttccacat 540
gcacttgaaa ataaagtgtg ttctgctatc gttcaatgga atgtcctata aatgtcaatc 600
aggttgattt ggtaaacagt gttgttaaaa ttttccatat acttactgat atttcatctg 660
cttcttttct ctactgagag ggttattgag atctccaatt 700

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<210> 551
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 551
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tgttggttaa attttccata tacttactga tatttcatct gcttcttttc tctactgaga 180
gggggtattga gatctccaat tgaccttgca gatttgtgta tttctccatt ctgttccata 240
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ttgacctctt ctcatcataa aatgtttcat tttccctagt tctgatgtct tctgtctggt 360
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tatttataag agttataata aggttttagg gttcttatct actaattcta ttatttcttt 600
cattttggat ctgttcatat gattgatttt tctctgatta tgggtcctat ttccttgctt 660
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<210> 552
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 552
ttttctcatt atgcttatgt tttcctttat atctatgagc atattttataa gagttataat 60
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tgattgattt ttctctgatt atgggtccta tttccctgct tctttggatg cctgttaact 180
tttgattgtg aattttgtat tgttgggtga aagattttgt tttattcctt taatgagtac 240
tgaactttgt tctggcatgc agttaagttt tttgagcaac aaacagttgg attcctttga 300
acctttgttg ttaaggtctg taaaggggga cctagagcag cttttactct aggactaatt 360
tacaatcatt ttcgacattt tccttcagcc tcaaaaactt tctttaacaa ttactatagt 420
gcaagcctgt ctgtaacaaa ttacctctac cattttgttt taaatctgaa aatgtcctcc 480
atttcacctc caattttcaa agaataattt tgctggatat aggagtttaa cttttattcc 540
ctagcacctt aaaggtgctg tcccactggt ttcaggttta gattgctttt cctaagaagt 600
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aagattttat atttagtttt gaacaatttg aatgtaattg 700

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<210> 553
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 553
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tcccctctga tgatgtgtta ctttttcttc cacctgtttt taagatttta tatttagttt 180
tgaacaattt gaatgtaatg tacaacatag ttatgtttat gctgcttggt atgcattcag 240
cttcttgggt ctttttttat agtttttatt actctgttta gatgtcttcc cacacattat 300
gtccatcttt tcctttaagt ccttgagctt atctatcata gctttaaaaa aatccggctg 360
ggcgctgtgg ctcatgcctg caatcccagc actttgggag gccgaggcag gcggatcaca 420
aggctcatgag ttcgagacca gggttgctaa tatggtgaaa ccccgctctc actaaaaata 480
aaaaataaaa aaataaaaaa tcagccgggc atggctcgtg gcacctgtag ttccagctac 540

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tcgggaggct gaggcaggaa aattgcctga acctgggagg cacagggtgc agtgagccga 600
gattgtgccca ctgcactcca gcctgggaaa cagagtgaga ctccatctca aaaaaaaaaa 660
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<210> 554
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 554
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agcctgggaa acagagttag actccatctc aaaaaaaaaa atttaaaaaa aatttaaaaa 180
aaaatccttg tctgctaatt ccaaaatctg tcatctctgg atctgcttct actcactttt 240
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tttagaatac aacactcaca gccccacttg ccaccttggg agttgttctc tactagccct 600
cattaaatct catcctatac atggatagct tagtatttgg ccaaagactc aaaagatcct 660
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<210> 555
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 555
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catggatagc ttagtatctg gccaaagact caaaagatcc ttatgcagat ttctggtaca 180
ccatctctgc acaacaaccc tacttcagta ctctgctcta caatttccag tcacttttagc 240
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tactggattc caattccatg tgccaaagtt taaaaagtgt tcccaggtag aaagctggaa 360
tgaatgcaga atcacctttt atgtttctcc tttctcaaag aatatagccc tgcattatct 420
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ctgctttaaa aaaaaaaaaa cattaaagat cctttgctga ctttttaatg acttcttggc 600
atgaatttaa ctttgatact aattcaatta atcattcaac aaatatttac aggcactttg 660
taggtttcat gtgtgtttt ggttcaaact gacagacttt                               700

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<210> 556
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 556
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taattcaatt aatcattcaa caaatattta caggcacttt gtaggtttca tgtgtgtgtt 180
tggttcaaac tgacagactt ttttccctt gaagcatgca agatagggtta aatgtagaca 240
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aacctatcta ggacagctca gggaaggtag tctaaaggaa gtgaatgttt aaatgaaact 360
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aaatttcaga atgtttggca tagaaagtag ggaaaagaag agtatcaacc taaaatgttt 480
cagaaattaa cagccttcta aacttggtta ggcttttggg ttttaagggtga tggcactaaa 540
tggtttgaac caggggaatt gcatgaagta gatatgcatt ttagaagaat tattttgtct 600
ttaggggtgaa cagagtgaac tgagacaaga catgaagcag ggaataatcg aggagagata 660

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ggaaggcagc ctggacaagg gttgaggatg gaggtaaaga

700

<210> 557

<211> 700

<212> DNA

<213> Homo sapiens

<400> 557

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ctgagacaag	acatgaagca	gggaataatc	gaggagagat	aggaaggcag	cctggacaag	180
ggttgaggat	ggaggtaaag	aggaagaagt	cgctgaactg	gctactcaga	aacagcctct	240
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agacttgact	ctgtcatttc	atcataagga	gagcattctg	ctgaagggtt	aatccacagt	360
agttgaacta	aggagctatg	tatttatgca	gcaaaaaatt	aatttgttta	cagtgttcct	420
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tacccggcaa	acatcaaatt	agtaaataga	attcaagcaa	gggctatctt	gtagcatttc	540
tatcactaca	ttgttggtga	cactcttatt	gaagaagagt	cacttcaaaa	gtgaagtgtg	600
atttagattg	aattattaaa	acaaagaaat	gtgtattata	cttcagaaca	atttctatca	660
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<210> 558

<211> 700

<212> DNA

<213> Homo sapiens

<400> 558

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agtttcaaga	gtccaatggt	atcagagttc	cagcaggatg	aaagaggaat	ccacaaatag	420
gggggatcca	gctcagaagc	agagtgtcca	cgccagggaa	tagtgtgggg	attcagagcc	480
tgataatgat	gagaaggggg	cccacctgag	ggttaagtcg	gctaggggga	agtcagatca	540
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gtgacctctt	cagtgcacac	gatctggggg	gattcagggtc	agagtacagt	gggcatccct	660
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<210> 559

<211> 700

<212> DNA

<213> Homo sapiens

<400> 559

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gactggcata	cagggatgga	gtcagcccat	atgagggtgt	agggccctga	tgcaacgatg	360
agacattgat	tacatacagg	aggattgatt	aagtcfaat	attaagatta	tggttgata	420
agtacattct	tgcactgcta	taaaaaaaaa	acctgaaact	gggtaactta	taatgaaagg	480
aggtttaatt	ggctcacagt	tccacatgct	atacaggaag	caagactggg	gagacctcag	540
gaaacttaca	atcatggcag	aaggcaaagg	ggatgctggc	acatcttaca	tggctggagc	600
agaagaaaaa	gagtaaaggg	ggaattgtga	cagattttta	aacaaccaga	tctcatgaga	660
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<210> 560
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 560
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 gtggagggtc ccaagcctca actcttggtc tctgcgcaac ccagggtta acaccatgtg 360
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 cccttttagc catggctgga gctggagtg ctgaaacaca gggagtagtg tcctgtaatg 480
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<210> 561
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 <212> DNA
 <213> Homo sapiens

<400> 561
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 tttctaccac atgatcaggg tgcaaatttt ccaaactttt atgctctgct tcccttttaa 180
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 gccaggccac atgttgaaag ttttctgtgc tggaaatttc ttccaccaa tactctaaat 300
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<210> 562
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 562
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 taccctactc tcggtaccaa ctttctgcat tagtctgttt tctcactgct acaaagaaat 180
 acctgaaact ggttaaagaa aagaggttta attggctcac ggttctgcag gctgtacagg 240
 aagcatgact gcggaggcct caggaaactt acaatcatgg cagaagggtga agaggagggt 300
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<210> 563
 <211> 700

<212> DNA
 <213> Homo sapiens

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 aactgtcat gtaatcccag aacacctccc ttaatcaatt tacttactga gggtaaaaac 240
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 cctggtatcc cctccagttg ggcaatggat cttatctctt tttgcctact caagaattgt 480
 gctctgtaat tatccctctt cctgcatcaa tgtttctgtc cagagtcatt cccaacagtc 540
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<210> 564
 <211> 700
 <212> DNA
 <213> Homo sapiens

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 tcacttcttt atcttttctc tgattactgg aactggtttt gtcaagagca acaacggact 240
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 tattttttcc atagtgcctt tattataata aatgacaaaa 700

<210> 565
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 565
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 ctattataat aaatgacaaa actattttat ccagttgttc aagccaaaaa ctttggagtt 240
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<210> 566
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 566

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ccttgctcatt ccttgaacac accaaccatg ctcagggact ctgcaactag actgaatgaa 180
atgttttctt cccagatttt gaacaactca ttccctcttg aatgaatatt taaaagacaa 240
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gatggaatga agtagacaaa ttctgacata ttttagaagg gtaggtaaga attgcttatg 420
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atgtgagatg cccattaaat atccaaacaa acagctagac atatatgtct agagttaaag 600
aaagaagtca ggggtcaaata tataaatgtg gtagttacca gcacataacc agtacttaaa 660
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<210> 567

<211> 700

<212> DNA

<213> Homo sapiens

<400> 567

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atataaatgt ggtagttacc agcacataac cagtacttaa agccgttaga ctgaataagc 180
tcatccaaga gagatagggg agaggggttaa tgcaaagatg gccactctt gtgtcacact 240
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cataaaaaaa aagaaatcaa gcaaaggtag acccaacaaa gactaaagta tagccagtga 600
gaaagaagga aactatgaga ttatagtgtc acaaaagcca agaaggaaat atatttttaa 660
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<210> 568

<211> 700

<212> DNA

<213> Homo sapiens

<400> 568

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attatagtgt cacaaaagcc aagaaggaaa tatattttta aaaagaaata gccactgtg 180
tcaaactctga caagatgtta atgagaatta gaaactgacc actctatctg gcacattgag 240
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gatccatcaa gagaaactgc tgatccagga gagagatgga aaaactgaag ggcaaatcc 540
ttgggtggat aagagggatc aatgagatct agcctccaag gagctgggtc atgttttagat 600
aaaacaacaa ataatttatc caagaaaaaa cagtatgggc acgtatgtac agtagtttcg 660
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<210> 569

<211> 700

<212> DNA

<213> Homo sapiens

<400> 569

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ctgatccagg agagagatgg aaaaactgaa gggcaaaatc cttgggtgga taagagggat 60

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caatgagatc tagcctccaa ggagctggtt catgtttaga taaaacaaca aataatttat 120
ccaagaaaaa acagtatggg cacgtatgta cagtagtttc gtagatgtga tgattggaaa 180
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acatagtgga actgggggtca gggagcggct agagaggcac atgacccccc taaaaacgaa 660
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<210> 570

<211> 700

<212> DNA

<213> Homo sapiens

<400> 570

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aaaaactgaa agcaatctaa tgtaagaaaa ttacataact actaaagtgt tcatgcactt 540
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ccaaacaccc agatgatagt tttttaatga cataggactt catgataatg ttaagtgggg 660
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<210> 571

<211> 700

<212> DNA

<213> Homo sapiens

<400> 571

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ttttttaatg acataggact tcatgataat gttaagtggg gaaaaaaacc cagaatacaa 180
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ttccaggagg gaaatctcca gtacaaatat attttagaca ttcaatgatg gtctaaagaa 480
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cctgtaataa aaatatgatt aagtgttaat gctgtaagtt cacagaaatg ctatataact 660
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<210> 572

<211> 700

<212> DNA

<213> Homo sapiens

<400> 572

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cgttataaga gaaccacaga agtttaccat aaaatatgaa ttcattacaa aaatattatt 60
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taagtgttaa tgctgtaagt tcacagaaat gctatataac taagaagtta tcctaatatg 180

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aagaattggt acttgggaaa aaaataatta ttttcaactg aaacccttta aactaattta 240
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tactgcaac ctccacctcc ccggttcaag cgattctccc gcctcggcct cccagtagc 660
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<210> 573

<211> 700

<212> DNA

<213> Homo sapiens

<400> 573

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cccggttcaa gcgattctcc cgctcggcc tcccagtag ctaggattac aggcattgcg 180
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<210> 574

<211> 700

<212> DNA

<213> Homo sapiens

<400> 574

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ttagactctt ctccctgcta tactgacatc gtcttgcttt ttcttaagcc actattcctg 180
accagaatgc ctcttggtta ttctttccat tcaaatttat aaatattccc acggctttaa 240
aaaaaaaaaa aagtcagtcg tgcaccaacg ttaaatTTTT gactgagttt taagaagaga 300
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caaggagaga gcgttaaaaa catcaatata gaccaaagg catccagtgg gaactgaact 540
ctgagtgagc ggcgacagct cccggtatcg tgggattctt aagtaaacct tgtccccagg 600
ccaggctcgg acatccttcc gggactgctt caggcaaact cctaaggctc ctgtagcctg 660
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<210> 575

<211> 700

<212> DNA

<213> Homo sapiens

<400> 575

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cgggactgct tcaggcaaac tcctaaggct gctgtagcct gcaggccaca ccctaaggca 180
ctttaagggc ctacacctgt ggagccctag ggacgcttct gctcctaagg agagttctca 240
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acttaccgtc tttcccgccc cattgggtcc aacccaaaatt gtaagggggc tgaagaaagt 360
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ttcgatcccg gacatgtttg caaacgtttc taatctcacc agggacctgg agtccacaaa 480
ggcttaactg aggcgaagc aaggcgtgca cgggacgtga gaccgcgaa tctcagggtc 540
aggagatcc gggcggggag cgaggccaca ggactgccaa aagatcctgc cagccaacag 600
cgggagagag ggggcggggg atggagcctt tcctcccaca ccagctgctt tccccgccgg 660
tggggagagc ggaggcgggg accagcctgg ggctgcccgc              700

```

```

<210> 576
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 576
caaggcgtgc acgggacgtg agaccgcgca atctcagggt caggaggatc cgggcgggga 60
gcgaggccac aggactgcca aaagatcctg ccagccaaca gcgggagaga gggggcgggg 120
gatggagcct ttccctccac accagctgct ttccccgccg gtggggagag cggaggcggg 180
gaccagcctg gggctgcccg ccggggacgc aaagccgtag ccacaatgcg accccgcaac 240
cgcgcaactc cangttctct gcctcgcccg ccctgcggat cacgtgggcc tctaggcccc 300
cacgcgtcca cgccgtctct ctggggcacg ccgggaaatc agagtcccg cgtgctgctg 360
cagctccgac ttccgggtgc ggtacggcga agcagaaggc taggtgctgg gtgctgttgc 420
caggggcagc ggacttccgg atctttgctg gggatgggca gcctggagag gcaactgact 480
ttggaagggg agaccaagac ctgtgacgga tggcgcttcc caaagcttga tcctgggact 540
cctggaatgg gggtagtggt ggggtggatt ggagaccag gaagcgggg cagttcatgt 600
caaaactatt ttcttttca ttctcattct ctctctaacg ttcgtgtagt aatttccagt 660
gatcacataa catgtgatga cgccattgca gtggcgggtta              700

```

```

<210> 577
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 577
cctgtgacgg atggcgcttc ccaaagcttg atcctgggac tcctggaatg ggggtagtgg 60
tgggggtgat tggagacca ggaagcgggg tcagttcatg tcaaaactat tttccttttc 120
attctcattc tctctctaac gttcgtgtag taatttccag tgatcacata acatgtgatg 180
acgccattgc agtggcgggt aatggaatgt gcgcatgtgt attcttgccg ttagaaatac 240
caattttaat ttctaattga gtaaatgttg ataattataa ctacagtaca cgctctttga 300
gggtcccccg aatttttttag tgtaaaggcg tctttaagac caaaagtctg ggaactaaaa 360
ctaaaagcag tctgcaaata tgaagaatgt agaggtaatc cattccgatc agtgctccca 420
gcaatagata tctttaaaaa taagggaag agaatgtacc tgtctcagaa gtaactgaga 480
atattgcttt cttggaaaca aacttaatgg agggatatca catttaaggg cctagagaaa 540
catacataaa aattactgaa acaatagtgg aggacattta aatgaaacac aaatttgga 600
ttactgtagt ggtataattt gcctctgcct gccttggaag aatgtaggaa atgtttctcc 660
agtcatacaa tccaagcaa ataatttaca gaacctata              700

```

```

<210> 578
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 578
aaacttaatg gagggatatt acatttaagg gcctagagaa acatacataa aaattactga 60
aacaatagtg gaggacattt aaatgaaaca caaatttgga attactgtag tgggtataatt 120

```

```

tgcctctgcc tgccttggaa aaatgtagga aatgtttctc cagtcataca atcccaagca 180
aataatttac agaacctaat acataaatgt atgtgccaaa ggatgcaagt ggggaagacc 240
agtgagaaat agtctcttgc tgtaccaggt taaaaaaacc ggaaagtgtc agttattaca 300
aaatagttaa aataactaat ggaacaaaac attaaaaatta tataggaatg tcttacttgg 360
caaagcaaat gtaataaaac aatgggaaaa gacgaaagac ctttttttat tttaaaaatt 420
gtaaaatata cataaaattt actgtcttgg ccaggcgagg tggctcacgc ctgtaatccc 480
agcacttttg gagggcgaga cgggtggatc acgaggtcag gaaatcaaga ccatcctggc 540
taacacggtg aaaccccgtc tctactgaaa acacaaaaaa ttagccgggc atgggtggcag 600
gcgccgatgg tcccagctac tcaggaggct gaggcaggag tatggcatga acccgggagg 660
cggagcttgc agtgagccga gaccgcacca ctgcactcca 700

```

<210> 579
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 579
acgggtggat cagcaggtca ggaaatcaag accatcctgg ctaacacggt gaaaccccg 60
ctctactgaa aacacaaaaa attagccggg catggtggca ggcgccgatg gtcccagcta 120
ctcaggaggc tgaggcagga gtatggcatg aacccgggag gcggagcttg cagtgaagcc 180
agaccgcacc actgcactcc agcctgggca acagagcgag actccgtctc aaaaagaatt 240
tactatctta accaagtgtg catttcagtg gtgttaagta tactcacgta caaccgtcac 300
cacctttcaa cctctacaaa tcttttctact ttgcaaaaca aactacccat taaacaataa 360
ccctttctct cccacatcct ccaaaccctg acaaccaaca ttctacttac tgtctctata 420
atcttttact aagtacctca tataagtggg atcatacagt atttatcttt ttgtgactgg 480
ctcatttcac ttataatgtc ctcaagggtc atccatgttg cagctcagtc cccaaccctt 540
gggtcactga ccagtatgca tacctggcct gttaggaacc tgggtggcaca gtaggaggtg 600
agcagcaggt gagtgaacat taccaccoga gctgggcctc agatcagtggt gggcattaga 660
ttctcatagg agcacaaaacc gtattttgaa ctgcccattga 700

```

<210> 580
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 580
cctcaagggt catccatggt gcagctcagt ccccaacccc tgggtcactg accagtatgc 60
atacctggcc tgtaggaac ctggtggcac agtaggaggt gagcagcagg tgagtgaaca 120
ttaccacccg agctgggcct cagatcagtg ggggcattag attctcatag gagcacaac 180
cgtattttga actgcccctg agaaagatgt aggttgcccc atgcaaggga tctagcttgc 240
ccattcctta tgagaatcta atgcctgatg atgtgaggtc gaacagtttc atcccaaac 300
catcacccca ctctgtctg tggaaaaact gtcttccgtg agactgggtc ctggtgccaa 360
aaagggttggg gaccactgta gcataatat gaattcagggt cgtttttaag gttgaataag 420
attcattaca atacacatca cattttgctt atccatctat tgatggacat ttgggttact 480
ttcacatttt agctattgtg aatagtgtgg ctatatatat tgggtgtaca atgtcacttc 540
tggaccctgc tttcaattct tttgggtata taccagaag tgggaattatt agatcataca 600
gtaattcaat ttttaattat ttgaggaact gccatactgt tttccacagt gggtgtacca 660
tttgacattc ccaccaatag tgcataaggg tttcaatttc 700

```

<210> 581
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 581
gaatagtgtg gctatatata ttggtgtaca aatgtcactt ctggaccctg ctttcaattc 60
ttttgggtat ataccagaa gtggaattat tagatcatat agtaattcaa tttttaatta 120
tttgagggaac tgccatactg tttccacag tgggtgtacc atttgacatt cccaccaata 180
gtgcataagg gtttcaattt ctacatatgc ttgccaacac ttgttatttt atgttttttt 240

```

```

atggttagcca tctgatgag tgtgaagtga tacctcattg taattttgat ttgcatttca 300
ataattatta gtagcatcat ttcattgtgt tattggccat ttgtgtatct ttgaataatt 360
gactattcaa gtggagactt tttttttttt tttttttgag atggagtctc actctgtcac 420
ccagactgga gtgcaatggt gcgatcttgg ctccactgcaa cctccatctc ccgcgttcaa 480
gtgattcttc tgcctcagcc tcctgagtag ctgggattac aggcacgtgg caccacacct 540
ggctaatttt ttgtattttt agtagagacg gggtttcacc atgttggtca agctgtctc 600
gaactcctaa ccttgtgac caccgcctc ggctcccaa agtgctggga ttacaggtgt 660
gagccactgc gcctggccaa gaccattttt taagtcagat 700

```

<210> 582
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 582
ctcctgagta gctgggatta caggcacgtg gcaccacacc tggctaattt tttgtatttt 60
tagtagagac ggggtttcac catgttggtc aagctggtct cgaactccta acctgtgat 120
ccaccgcct cggcctccca aagtgtggg attacagggt tgagccactg cgctggcca 180
agaccatttt ttaagtcaga tttattgaag cataattaac atacagtaaa attcaccctt 240
ttccagggtt caattccatg tgttttgga aatataaaca tttgtgtaaa ccaccaagac 300
cttttttttt tttttttttt ttaagacgga gtctctctct gttgccaggg ttggagtga 360
gtggcgcgat ctgagtcac tgggaagctc gcctcccggg ttcacgccat tctactgcct 420
cagcctctga ggactgtagc tgggactaca ggcgcccgcc accgcgcccg gctaattttt 480
gtatttttag tagagacggg gtttcaccgt gttagccagg atggtctcta tcccctgacc 540
tcgcgatccg ccgcctcgg gctcccaaag tgctgggatt acaggcgtga gccagcgtgc 600
ccggccacca ccaagaccat ttaaataaat actgtggaga cttggatatc agtaggaaga 660
aaaaagcaaa tctacacttt actttactta ccactgtaag 700

```

<210> 583
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 583
ggtttcaccg tgtagccag gatggtctct atcccctgac ctgcgcatcc gccgcctcg 60
ggctcccaaa gtgctgggat tacaggcgtg agccagcgtg cccggccacc accaagacca 120
tttaaatgaa tactgtggag acttggtatc cagttaggaag aaaaaagcaa atctacactt 180
tactttactt accactgtaa gttctggtgg ataaaaattc agaaagatat ttcgggaagc 240
aataaaaagaa gaagcaagaa atgtaattac ctctactttt aaaggggaat tttatgacct 300
aaagtagcat aagaaattag caatcactga gataagatat tgctcgtctc tggcttagc 360
atgaagtacc caacattatc tcttatgcag ttttgctttc ttaaaaacgg aaaaaagtgt 420
aacttgaatc taatcatacc tttagatgta actttcagtt cacaggaatt acaaggatta 480
agctaacagc aacacagggt tggaaaaggc aaatccagaa gctagaaact gttacaagac 540
actggcacag gctctcagga gatcattatc attaaagcaa agactattgt agatttttaa 600
agacttatta aaaaacattt tgttgcaaat taagagattt gagatacata ccacccaat 660
ggaatgcatg gtcctagtgt ggaaactggt tttgccatag 700

```

<210> 584
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 584
ttggaaaagg caaatccaga agctagaaac tgttacaaga cactggcaca ggctctcagg 60
agatcattat cattaaagca aagactattg tagattttta aagacttatt aaaaaacatt 120
ttgttgcaaa ttaagagatt tgagatacat accaccccaa tggaatgcat ggtcctagtt 180
tggaactgg ttttgccata gatgtgtgaa ggaaatttgg gagataagta gggaaatttc 240
aatgtagact ggaaattaga taataaaaaa attctctgag gcaggcggat catgaggcca 300
ggagattgag accatcctgg ctaacacggt gaaaccccg ctctactaaa aatgcaaaaa 360

```

```

attagccggg cctgggtggca tgcacctgta gtcctagcta ctcaggaggc tgaggcagga 420
aaatcgctga acccgggagg tagagggtgc agtgagccaa gatcacgcca ctgcactcca 480
gcctgggtga cagagcagga ctctatctca aaaataataa taattcttgt taatttcatt 540
gtatttggtg tgataatatt ttgctatgta agaaaatgat cttttttgag atgcatatgg 600
aagtattagt gatagtgtgt catgttgtct gtaattttaa atacttcaga aaaaaaatag 660
tgagttgaag gaaaaaatg gacatgccaa ggtaaccagg 700

```

```

<210> 585
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 585
actctatctc aaaaataata ataattcttg ttaatttcat tgtatttggc gtgataatat 60
tttgctatgt aagaaaatga tcttttttga gatgcatatg gaagtattag tgatagtgtg 120
tcatgttggtc tgtaatttaa aatacttcag aaaaaaataa gtgagttgaa ggaaaaaaat 180
ggacatgccca aggtaaccag gttccattac aaaaaaattt caactttgta acaatggaaa 240
ctataaaact aagataaaaag ctctaggatt ggggtggaaa agatttgtaa tcaaaatgat 300
taatccctaa aataaaaagg caaatcagtg aagtctccac ttcttagtaa actactactt 360
ccaaaaaata tttagtttca ctggtgctaa aattaatgaa ataaaaaata aaactactat 420
gagatactgt tttataccta atagagaact tctttattct ttgttttttg ttgttggtgt 480
tggtgttttt gtttttgaga cagagtctcg ctctgttgcc aggctggagt gcagtggcgc 540
aatctcggct cactgcaacc tctgcctccc gggttcaagc gattctcctg cctcagcctc 600
ccgagtagct gggactacag gcgtgcacca ccaagcccag ctaatttttg tatttttagt 660
agagacgggg tttcactatg ttggccagga tggctcgcgt 700

```

```

<210> 586
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 586
acagagtctc gctctgttgc caggctggag tgcagtggcg caatctcggc tcaactgcaac 60
ctctgcctcc cgggttcaag cgattctcct gcctcagcct cccgagtagc tgggactaca 120
ggcgtgcacc accaagccca gctaattttt gtatttttag tagagacggg gtttcactat 180
gttggccagg atggtctcga tctcttgacc tcatgaacca ccctcccaa gtgctgggag 240
tacaggcttg agcgcgtgcg cccagcctga gaacctcttt attcttacia tactttctaa 300
cataattctc ccttttttct gatattaata ttggtacatg agctttcttt tgactagtat 360
ggattcgttc ttagaaattg caatttaagg gaagtgaac caattttatc ataggctagt 420
tgatataaac aagagacaag ttcgtagaac atatttttg tcataaaaat atcatcaaac 480
ttataaataa agatgaaaac acttctatct aatattaaac attgaaacaa atgtgagcaa 540
tagatacatt taagaaagat tcataaaagc aagtaaaata agtatttgcc caactattcc 600
agttcaagtt tgcagggtggc tggagctttt cccatcagct cagggtgcga ggtgggcacc 660
aaccctgaac aggatgccat tccatcacag aacacacaca 700

```

```

<210> 587
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 587
cacttctatt caatattaaa cattgaaaca aatgtgagca atagatacat ttaagaaaga 60
ttcataaaag caagtaaaat aagtatttgc ccaactattc cagttcaagt ttgcagggtg 120
ctggagcttt toccatcagc tcagggtgcg aggtgggcac caaccctgaa caggatgcc 180
ttccatcaca gaacacacac acatgcatgc acacacacac acacacacgc agactgggac 240
tatgtagaca tgccaattca cctcacatgc acatatttgg gatgtgagag gaaactggag 300
taccagaga aacccacac agacattagg aaatgtgcaa actccacaca gcctggccaa 360
gaattaatta ttgttttctc gtgaatgtta taacaaagtt attctaggac ctgctatgta 420
tctttgcata caaacttctt atgttgtttt gcattgtgta tctcttgaaa atagctgata 480

```

```

gatgatttct aatgcaatth tatagtattt gccttttaat aaatgacttt catctgtttt 540
caattactgt gattgctggt aaatttaggc atatgtctta ttctgtggt ttttctttgt 600
ttctttgtct ctttctctgc tttgtagaat atccaagctt tctttattcc ttgttttact 660
ctactgattt ggaaaataca cattctattt ctattctttt 700

```

<210> 588
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 588
ttatagtatt tgcctttttaa taaatgactt tcatctgttt tcaattactg tgattgctgg 60
taaatttagg catatgtctt attcctgtgc ttttcttttg tttctttgtc tcctttctctg 120
ctttgtagaa tatccaagct ttctttattc cttgttttac tctactgatt tggaataac 180
acattctatt tctattcttt tactgggcac tcttaaattt ttcacattac tattttgaag 240
tccagagtta atatcattag gatccttctg aacaatacaa ggactgtaaa atgtgccaga 300
agatcacccc ccaccttcca cattatcact atttagcatt tttgttcctc attgtcttca 360
aataagaaac aaaacaaatg aaatcagtta tttttaaac agcattattc atttaggttt 420
accagcatat ttatcaaact ctttgattcc cactgcttct gcgtcacttc ttccttctgg 480
gttcattcgc tctccattag caaaaccttt aaagcctggg gctaattggac cttcagagaa 540
agaaatatat ctctgtgtgc taatatcaag attaaacaaa gctatttttg tgaaaatgct 600
ttataaattg taaaacctg tgaaaatata agagttattt ttttctggcc aggcgcattg 660
gctcacacct gtaatcccag cactttggga ggccgagatg 700

```

<210> 589
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 589
gcaaaacctt taaagcctgg tgctaattgga cttcagaga aagaaatata tctcctgggtg 60
ctaatacaaa gattaaacaa agctattttt gtgaaaatgc tttataaatt gtaaaacct 120
gtgaaaatat aagagttatt ttttctggc caggcgcat ggctcacacc tgtaatccca 180
gcactttggg aggccgagat gggcagatca cgacgtcaac agatcaagac catcctggcc 240
aacttggtga aaccccgctt ctactaaaaa taaaaaaatt agctgggcat gatggcgct 300
gcctttagtc ccagcttctc tggaggctga ggcaggagaa tcgcttgaac ccaggaggcg 360
gagcttgagc tgagctgaga ttgtgccact gcactccagc ctggcgacag agtgagactc 420
tgtctcaaaa aaaaaaaaaa aaagatttct ttttctgca ttggatattt tcagagggtg 480
atctggtaaa atgtaacaaa gctataaaca tgattataca agttcattag cataaggaaa 540
atttttaaaa ttttacacag gtgtttatag tagcattgtt taaaattgtg gaaggctaga 600
aacaacccca gtgcctaaaa gttgggaaat ggtgatggaa actatggtac atcagtttca 660
tctaatagca ggttatcact aaaataataa gtaggaaatt 700

```

<210> 590
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 590
agctataaac atgattatac aagttcatta gcataaggaa aattttttaa attttacaca 60
ggtgtttata gtagcattgt ttaaaattgt ggaaggctag aaacaacccc agtgcctaaa 120
agttgggaaa tgggtgatga aactatggta catcagtttc atctaatagc aggttatcac 180
taaaataata agtaggaat tgtatagata tgtgaaaaag aaatactcat aaaaaagata 240
aatacaaaact gcataatatt actgattaaa actgtaaaac tgtctatgtg ttggttaagg 300
ttagaagatg atttcaaaaa actgatagtt gctataccaa gaaattctgt gtttattttc 360
ctataatgtt atttattcaa ttaaaaaatc atattaaagg gagattgaaa ggatagaatt 420
tcgaatagag tcaagaagaa aaagagatgt tatcaattta catttagtca tcatgaaaat 480
tgcgaggcat catgctcagt tgattagaat cagttcatgg aaaagtcatt tgaccttaag 540
gactacacag taaaaaccac agttatcagt tttaaagaca tgttgccaat gtgttaccac 600

```

ctaatagaga taaaagtttt agggcaaaaag gatggatggt acccgccaat gtaacttttc 660
aatattaatc aaagtgcctt ttttaaatta taaaattacc 700

<210> 591
<211> 700
<212> DNA
<213> Homo sapiens

<400> 591
ttgattagaa tcagttcatg gaaaagtcac ttgaccttaa ggactacaca gtaaaaacca 60
cagttatcag ttttaaagac atgttgccaa tgtgttacct actaatagag ataaaagttt 120
tagggcaaaa ggatggatgt taccgcgcaa tgtaactttt caatattaat caaagtgcct 180
tttttaaatt ataaaattac caaccagtaa ttatttataaa atcaaagtac taattgttta 240
tttctttcta tttccctaaa ataacgtgga ttttaaaaaa tctaaatggg agttcacatt 300
gcctcgcgtc ctgtagctga actttaaagc tttgctctct tttgccagg agttctgcca 360
aagaactcct gttgtttgtt acttttaggt cctagctgca ggtaaaagac tccttgaggc 420
cgggcacggg ggctcatgcc tgtaatccca gcactttggg aggccgaggc gggcggatca 480
cgaggtcagg agtttgagac cagcctggcc aagatggtga aaccccatct ctactaaaaa 540
tacaaaagtt agccgggcgt ggtggcagtt gcctgtaatc ccagctactc aggaagctga 600
ggcaggagaa tcgcttgaac ctggggaggc gaggttgag tgagccgaga ttgcaccact 660
gccctctagc ctgggtgaca gagcaagact ctgtctcaaa 700

<210> 592
<211> 700
<212> DNA
<213> Homo sapiens

<400> 592
ccagcctggc caagatgggtg aaaccccatc tctactaaaa atacaaaagt tagccggggcg 60
tgggtggcagt tgccctgtaat cccagctact caggaagctg aggcaggaga atcgcttgaa 120
cctggggaggc ggagggttgca gtgagccgag attgcaccac tgccctctag cctgggtgac 180
agagcaagac tctgtctcaa aaaaaagaaa aagacttctt gagtttccac agtatagtaa 240
tcctcactta atgtcatcaa taggttcttg gaaacagact ttaagggaaa cgatgtataa 300
caaaaccaat tttaccgtag gtgaattgat atgaacaaaag cttacattcc tatggcatat 360
ttctggccac aaaaatatca tcacacttct aaacaaagac caaacacttc taatattaaa 420
cattgaaaca attatgagct atatgtacat ttaagaaaga ttcataaaaa caagtaagat 480
aacttaccca actattccag ttgaagggtg aagatggctg gagtttatcc cggtagctca 540
agggtacaag tgagcaccaa tcctggatag ggcgctcattc cattgcagag cacacagacg 600
cacacacaga cgcacacaca cacactcaca gactgggact gtgtagacat gccaatcac 660
ctcgcgtgca catctttggg atgtgagaga ttgtgcaaac 700

<210> 593
<211> 700
<212> DNA
<213> Homo sapiens

<400> 593
gttgaagggt gaagatgggt ggagtttatt ccggtagctc aaggtacaag gtgagcacca 60
atcctggata gggcgctcatt ccattgcaga gcacacagac gcacacacag acgcacacac 120
acacactcac agactgggac tgtgtagaca tgccaattca cctcgcgtgc acatctttgg 180
gatgtgagag attgtgcaaa ctccacatag acaatggctt tggctgggaa gcgattgttt 240
ttcttatcaa cagtataatg aaataacgtg gaactaagca aagttattca aggacctgct 300
gtattcacat taactcaacg agtacaacaa aagataaagt tggtgtaagt gcctgcttgt 360
tcattcagtt agttatttaa caaatcttta ttttactgtc tacaataggc tagtcctcaa 420
ggatgaagag atcgattcaa taaaaacctt attctcaagg agctcatagt ctactggtga 480
aataaaaagg tgccaactgc attacactca tggaattcaa agttctgctt tttttttttt 540
tttgagacag ggtctcacta tgttgcccag gctagtctta aactcttggg ccgattgat 600
cctctggcct cagcctcctg agcaaagcct tttaaataat aatggtaaaa acaatcatta 660
actttttcaa tgtgcagtat tattatttat ttatttaatt 700

<210> 594
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 594
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 gagcaaagcc ttttaaataa taatggtaaa aacaatcatt aactttttca atgtgcagta 180
 ttattattta tttatttaat tatttgaaat ggaatctcgc tctgtcacc caggctagagt 240
 gcagtggcgc tatctcagct cacggcaacc tctgcctcct gggttcaagt aattctcctg 300
 cctcagcctc ccaagtagct gggattacag gcgccagcca ccaagcctag ctaatttttg 360
 tatttttagta gaaacagggg ttcaccatat tggccaggct ggtctcgaac tgctgacttc 420
 aaccaatcca cccacctcag cctcccaaag tgctggggtt acagacctga cccatcatgc 480
 ctgcgcgcag tattattttt aatacacttt ttatttttaag tagttttaga tttatagaga 540
 agtttcaaga ctgttagaga gcattccagt gtgccctgca cccagtttcc cattgttaac 600
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<210> 595
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 595
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 cacaactaag gaactaatat tggtagatta ctaaactcca ggctttttcc aattccctta 180
 gttgtgcccg ttgtccttat tctgttcctg agtgtcatcc atgataccac attgtatgta 240
 gtcatcacgt ctcttagagg cctctctggc tgtgtcagtt tctcagactg tgcttggttt 300
 tgatgacctt aacagtttta aggagtactg gtcaggcatt ttgtctttcc atttgggtat 360
 gtgtagtgtt tgtgtcatgg ttaggcagag gttactgggt ttggggagga agatgacagg 420
 gataaagttc ctttcttata acatcaaata aaaggtagat gctgttaaca tgatgtttca 480
 ctgccaccat tgactgggat cacctagctg aagtagtgtt tgatcagggt tctccactgt 540
 gaagttatct ctcttattct cccctttcca tacagttctc ttttttaaaa agtcactctg 600
 tatatcccac tcttaatgaa agggggttgt gttccatctc cttgaggggtg tagtagctac 660
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<210> 596
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 596
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 aaggggggtt tgttccatct ccttgagggt gtagtagcta catacattat tttgaattct 180
 tgggcacagg agattaaaat cattaacttt tatttggagt tttgcattaa taaagctctt 240
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 tctttcaaat acattatttt acaggtccaa ctccgagaca gtttacagtc aggttggggg 600
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<210> 597
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<212> DNA
 <213> Homo sapiens

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 aagTtaatga cacgaaaact ttataagaaa tttaatTTTg tacacccatg tTcatagcag 180
 cattattcac aatagccaaa ggatggaagc aacattggTg tccatcgaca gaccatggat 240
 aaacaaaaca tggatatagac atccaatgaa atattattca gccttaaaaa ggaagaaaaT 300
 tgacacatgc tacaacatgg atgaatcTtg agaatagaca ttatgctaaa tgatataagc 360
 cagTcacaaa aagccaagTa ctgtatatca ggtacctaTaa gTcatcaaT tcataaagac 420
 agaaagTtaga agcgtggTtg caaggTgctg ggagaacggg ggcgggggTt gggagctgTt 480
 gTTtaatggg tacagagTtt cagTtttgca agatgaaaag agTcctggag atttgtcaca 540
 caacattatg aatgtactTa aggtactga gctgtacact taaaaaaTg gTtaagatag 600
 taaatTTTat gtgtatTTTg ccacaattaa acattTctaa aagaaataca atTTTgaata 660
 agaagtatTT tttataacta gccttccaat aagaaccac 700

<210> 598
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 598
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 gccacaatta aacattTctT aaagaaatac aattTtgaat aagaagtatt tTTtataact 180
 agccttccaa taagaaccca cagTttTgct gTaaaacaga ggctgcaaaa tggTacatta 240
 tcagTtTgcc aacattTgaa aaatccagag attatatata ataagcagga tTtcagcctt 300
 cctTTttTgt tgtTgtTgtt gTtgtTgtgc tTTtTgtTt tTtgtTtTgt tgtTtTgtTt 360
 gagacagTct cactctcTtg cgcaggctgg agTgcagTgg tgcaacctca gctcactgca 420
 acctccgcct cctgagTtca agcaattctc ctgcctcagc ctcccgagta actgggatta 480
 caggcacaca ccaccacgcc tggctaattt ttataaaggc ttctTtgaaa aacagaatga 540
 tcgggtaatg tgagcccagg tgtgtcacct ggcaaccatc agctggagct gagcagcacc 600
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<210> 599
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 599
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 cactcactgg tcttgaactc ctgggctcaa gggatccact gcctgggctt accaaagtgc 240
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 cccctgaaac tTtcacctaa gccctaactt cctcagtgTa acataaaggT gTcaggggga 540
 atcagagaga acgctctcat attctctggg aagagaaagc tcctgccaga actcagcttc 600
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<210> 600
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 600

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taagagcact ttgaccaagc ctatttgtat tcctactccc gaaaatctca ctcccgatag 180
attttctgaa gtgagccaaa cttctgcagt ctcaaggaaa catttctcaa ggaaaacatt 240
tctcaagtgc gcaaatcaga cacatctaac caagagtcca aaacttcagc acaaaacaaa 300
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agagctggga ttgagtatgt atgaaagggtg tgtctacctc ccagctgcct ctacttctcc 420
tacacaactg cacctagctt tggaaaactg ttctgggcaa cagtttgtgt ttggtaccat 480
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tctgggatgc tcaactgaagc actctattaa aaacaatgag ccacatacac ctccatcata 600
tgtgttcagg ccagggaaaa aggaagtgtg tgatctagga gggggcctca tttgtacctt 660
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<210> 601

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 601

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aaggaagtgt gtgatctagg agggggcctc atttgtacct ttctgggatt acaggtctga 180
gcctaaggaa caaaggctga ttcccctaatt ttcattggccc gcccaagggtg tgaaaggaca 240
cctccaccct tatgggacat aaaggagagg acacatccat gtattatgta tctgtgacag 300
atattttattg gttgccttcc tagaatctgt gtccccctta ctactgggac cccacatttc 360
taagctatgc agttgaggta ggattaggggt cactcttagc tccaggggaga gccaatcagt 420
atatactaca ccctgggcac agttcaagga tgaacatgtg acccttgtca gaaagagact 480
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atgaacagaa tacatanaga tccaggagtc tggacatcat cttgagacct caatgggaaa 600
ggtgcccaag gatggagtca aggaagagtc actgaagcca tcaaaatgta aaagagcctc 660
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<210> 602

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 602

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aaggaagagt cactgaagcc atcaaaatgt aaaagagcct ccattcctgg actgtttggt 180
tctatgagcc aataccttcc ctctttatct tcaacaactt taggttaggt ttttagtcac 240
tggcaacaga aaggatccta atcaagaccc cagtgaacag aactcgaccc tgccaaggct 300
tggcagtttc catttcaatc actgtcttcc caccagtatt ttcaatttct ttttaagacag 360
attaatctag ccacagtcac agtagaacat agccgatctg aaaaaaacat tcccaatatt 420
tatgtatttt agcataaaaat tctgtttagt ggtctacctt atactttggt ttgcacacat 480
cttttaagag gaagttaatt ttctgatttt aagaaatgca aatgtggggc aatgatgtat 540
taacccaaag attcttcgta atagaaaatg tttttaaagg ggggaaacag ggatttttat 600

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tattaaaaga taaaagtaaa tttatTTTTt aagatataag gcattggaaa catttagttt 660
cacgatatgc cattattagg cattctctat ctgattgtta 700

<210> 603
<211> 700
<212> DNA
<213> Homo sapiens

<400> 603
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atTTatTTTT taagatataa ggcattggaa acatttagtt tcacgatatg ccattattag 180
gcattctcta tctgattggt agaaattatt catttcctca aagacagaca ataaattgac 240
tggggacgca gtcttgact atgcactttc tttgccaaag gcaaacgcag aacgtttcag 300
agccatgagg atgcttctgc atttgagttt gctagctctt ggagctgcct acgtgtatgc 360
catccccaca gaaattccca caagtgcatt ggtgaaagag accttggcac tgctttctac 420
tcacgaact ctgctgatag ccaatgaggt aattttcttt atgattccta cagtctgtaa 480
agtgcataagg taatcatttg tgatgggtcc tttactatat atagagatct gttataaata 540
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tgaggattcc tgttccgtga cataaaaatg taagttaaat 700

<210> 604
<211> 700
<212> DNA
<213> Homo sapiens

<400> 604
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gtgctgtaaa aatgattgta tttcctttcc tctccagact ctgaggattc ctgttcctgt 180
acataaaaaat gtaagttaaa ttatgattca gtaaaatgat ggcatgaata agtaaatTtc 240
ctgttttaag ctgtaaatca ttagttatca ttggaactat ttaattttct atattttgtt 300
ttcatatggg tggctgtgaa tgtctgtact tataaatatg aggaatgact ttttatcaag 360
tagaatcctt taacaagtg gattaggctc tttgggtgat ttgttagttt gcctcccaa 420
gagcatcgtg tcagggattc tttccagaag gattccacac tgagtggag gtgcgtgcta 480
gtctccgtgc agttctgact ctttctcact ctaacgtgtt tctgaaagta ttagcaactc 540
agaattatat ttttagaacc atgatcagta gacattaaaa tatataacaa atgccctata 600
ttaataattt ctgcatactt aaataattat gactatatga tgggtgttga tgcatttgaa 660
tatgtcctgg tcatattaaa atgtaaaata tatagtTTta 700

<210> 605
<211> 700
<212> DNA
<213> Homo sapiens

<400> 605
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catgatcagt agacattaaa atatataaca aatgccctat attaataatt tctgcatact 120
taaataatta tgactatatg atgggtgttg atgcatttga atatgtcctg gtcataTTaa 180
aatgtaaaat atatagtttt attagtctaa atagaataaa actaccagct agaactgtag 240
aaacacattg atatgagttt aatgtataat gcattacact tccaaaacat tttttccag 300
ttacataaatt aagttatatc ctttataaaa ctctcagta atcatataag cttcatctac 360
tttttgaaaa ttttatctta atatgtggtg gtttggtgcc tagaaaacaa acaaaaaact 420
ctttggagaa gggaaactcat gttaaatacca caaaacaaag cctaactttg tggacaaaa 480
ttgttttaat aattattttt taattgatga attaaaaagt atatatatTTt attgtgtaca 540
atatgatgtt ttgaagtatg tatacattgc agaatggaca atggaccaa tttttatacc 600
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<210> 606
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 606
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gtatacattg cagaatggac aatggaccaa atttttatac cttgtcttga ttatttgcac 120
tttaaaaatt ttctctcattt agcaccaact gtgcactgaa gaaatctttc aggggaatagg 180
cacactggag agtcaaactg tgcaaggggg tactgtggaa agactattna aaaacttgctc 240
cttaataaag aaatacattg acggccaaaa agtaagttac acacattcaa tggaagctat 300
atattgtctg ctgtgcctat ttctatggaa ttgacagttt cctgtaatac ctattgtcat 360
ttttcttttt tcacagaaaa agtgtggaga agaaagacgg agagtaaacc aattcctaga 420
ctacctgcaa gaggtttctt gtgtaatgaa caccgagtggt ataatagaaa gttgagacta 480
aactggtttg ttgcagccaa agatttttgg ggagaaggac attttactgc agtgagaatg 540
agggccaaga aagagtcagg ccttaatttt cantataatt taacttcaga gggaaagtaa 600
atatttcagg catactgaca ctttgccaga aagcataaaa ttcttaaaat atatttcaga 660
tatcagaatc attgaagtat ttctctccag gcaaaattga 700
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<210> 607
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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actttgccag aaagcataaa attcttaaaa tatatttcag atatcagaat cattgaagta 180
ttttctctcca ggcaaaattg atatactttt ttcttattta acttaacatt ctgtaaaatg 240
tctgttaact taatagtatt tatgaaatgg ttaagaattt ggtaaattag tattttattta 300
atgttatgtt gtgttctaataaaaacaaaaa tagacaactg ttcaatttgc tgctggcctc 360
tgtcttagca attgaagtta gcacagtcca ttgagtacat gccagtttg gaggaagggt 420
ctgagcacat gtggctgagc atccccattt ctctggagaa gtctcaagggt tgcaaggcac 480
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aggaggtgaa cctgggtttt tctctacagt atatccagaa cctgggatgg tgcagggtaa 600
atggtagggg ataaatgaat gaatgtgctt tccaagactg attgtagaac taaaatgagt 660
tgtaaggcgt cccctggaag aagggcagtg tgggaacctg 700
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<210> 608
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 608
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tgaatgtgct ttccaagact gattgtagaa ctaaaatgag ttgtaaggcg tcccctggaa 180
gaagggcagt gtgggaacct gtaactaggt tcctgccag cctgtgagaa gaatttggca 240
gatcaatctc attgccagta tagagaggaa gccagaaacc ctctctgcca aggcctgcag 300
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gggttcttac cccacctgac cctgcaccat aacaaaagga acagagagac actggttaggg 360
cagtcccat agaaagactg agttccgtat tcccgggggc agggcagcac caggccgcac 420
aacactccat tctgcctgct tatggctatc agtagcatca ctagagattc ttctgtttga 480
gaaaacttct caaggatcca gaaaatatgc tctttaaaat attttaaaac tgatatagac 540
ccaaaggaga gaccagtaaa caatattcag ctatattatc cattctctct ttctttcatt 600
caacaaatct gtattgatca caggctctct gctgggtgtg ggatgcagct gtgggcctgt 660
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<210> 609
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 609
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acaggctctc tgctgggtgt gggatgcagc tgtgggcctg tgctggaggt ccttagaggc 180
cagtactcct atcctgggct ttatctgcat ggattgctgc agtgttgggc tccactgctg 240
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agattcccag gcaggagaat ggaactcctt ccgaggaaga agacgtgttt tccttccagc 360
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gccccaggat caggagcaga gctagtggg gagcaagatg gatgaggaca gcacgggtgct 480
gaccactcta gacagacagg agacaggaaa caggaaactc aacttgcaaa aagactgaat 540
ctcaacttga ttcaattagg cagatactga gttccagtat actccaggac tattctaggg 600
gctaggattc aacagtgaat aaaacagaca aaatcctttc ccttgtacac ttatatcctc 660
tcaaaaaagc tcctttcccc tctttcttat cagggtctaa 700

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<210> 610
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 610
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gcagatactg agttccagta tactccagga ctattctagg ggctaggatt caacagtga 120
taaaacagac aaaatccttt cccttgta caattatcct ctcaaaaaag ctcttttccc 180
ctcttttctt tcagggtcta atatagttaa taaggactta agactggaat atcacatcta 240
aatccccaat aatgagccct caccaatctg ccagggtcca gagaagctaa aaacaatcag 300
ggctgtttgc aactaactga aataaaactt gattcgaact catgtcaagc ctggtgacaa 360
cacacacaca tgtccacgtg tctactgctg gcatagaaac ctctgactca ctaccatctg 420
aagtccaggc tccttcacag gtcattcaag gtcgacctct gccccctctg acccctgaca 480
tacagaaata caggcatcat ccattgtaaca accttggcaa gaaaacatta accagggtgcc 540
tcattcccat tattttaagt gcgaaaaatt ttaatgcatt atgtctcaac ccaaaatctt 600
caaccaactt cttaaaacat aaaacatagt aaaatgcctg tatataagga aaaaacacat 660
tagggtgtaa aaatttaaac aaaatatttt gtatttattt 700

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<210> 611
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 611
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tgcgaaaaat tttaatgcat tatgtctcaa cccaaaatct tcaaccaact tcttaaaaca 120
taaaacatag taaaatgcct gtatataagg aaaaaacaca ttaggggtgta aaaatttaaa 180
caaaatattt tgtatttatt tatttaattg tagtaaaata aggatataag atattttaaaa 240
cagtacttcc tgatcactca gcagttaata taatgggtgc tttgtctgta taacatgctg 300
cacgtccct tagttaacat tcagagcctt tccgattgtc ttctgtgaac gctgatttgc 360
tactaatcat atgtggaata aacctaaaga ctttgtccat tgactccct catcacttgg 420

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ttaaagaatt tcttatgttt aggggacata aatattttta caatataaat attggtggga 480
aagcattgta ttgagagaca cgttctatga agaagaactg tatgtggaaa acattttattg 540
tggagatggt caggccaggc atggtggctt atgcctgtaa tcccagcact ttgggaagct 600
gaagcaggag gatcacttga gtccaggagt tcaagactag cctgggcaac atagcaagat 660
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<210> 612
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 612
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catggtggct tatgcctgta atcccagcac tttgggaagc tgaagcagga ggatcacttg 120
agtccaggag ttcaagacta gcctgggcaa catagcaaga tgtctctaca aaaagaaaga 180
aaagtagcca ggcgtgggtg tgcacatctg tagttccaac tactcagggtg gctgaggtgg 240
gaggatcacc tgagcccagg aggtgaggct gcaatgagct ctgattgtgc cactttgggc 300
aacagtatga ggctgtttta aaaaaaaaaa aaaaacaaaa aaacaaagag atgatctgta 360
aagaatgcta gctcttattc ttacagaat atccatgaat tttcatacct ctgtgccttg 420
gtccacacta taccctctgt ctcagtatct tttttctttc ccaccaaca aacttgtaat 480
tgccctttag atgttttcat tcaccatata ctccttcttt tttttttttt agagacaggg 540
tcttgctctg tcaaccaggc tggaatgcag tggcgtgatc attgtcact gcagccctga 600
actcctgggc tcaagtgatt cccctgtttc agcctcccca gtagctgggg ctacaggcac 660
ttactaccat gcctagttaa tatcttttaa aattattttg 700

```

```

<210> 613
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 613
ttcaccatat cctccttctt tttttttttt tagagacagg gtcttgctct gtcacccagg 60
ctggaatgca gtggcgtgat cattgctcac tgcagccctg aactcctggg ctcaagtgat 120
tcccctgttt cagcctcccc agtagctggg gctacaggca cttactacca tgcctagtta 180
atatctttta aaattatttt gtagggatgg ggtttcacta tgtgacctgg gttggtctta 240
aacttctggc ctcaagtgat cctctcactc tggcctctca aagtgtcggg attacaagta 300
tgagccacca cactgcctc tttttatttt tattttatt tttatttatt catttattat 360
ttttttcgag atggagtctc actttgtcac ccagcctgga gtgcagtggc atgatctcgg 420
ctcactataa cctccacctc ctgggttcca gtgattctcc tgcctcagcc tcccagtaga 480
ctgggactac aggtgcatgc caccacacc agctaatttt tatattttta gtagagacag 540
tgttttacca tgttggtcag gctggctctt agctcttcac ctcaagcaat ccacctgcct 600
cagccttcca aagtgtctag attatagggt tgagccaccg tgcccgggtc ttttatttat 660
ttattcattc atttatttat ttattttttg agacagagtg 700

```

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<210> 614
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 614
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ggctgggtctt gagctcttca cctcaagcaa tccacctgcc tcagccttcc aaagtgtgta 120
gattatagggt gtgagccacc gtgcccggct tttttattta tttattcatt catttattta 180
tttatttttt gagacagagt gtcactctgt caccttgctt ggagtgcagt ggcatgggtc 240
cagctcactg caagctccgc ctcccagggt catgccattc tcctgcttca gcctccctag 300
cagctgggac tacagggtgcc caccaccaca cctggctaatt ttttttgtat ttttagtaga 360
gatgggggttt caccatgtta gccaggatgg tctcgagctc ctgacctcat gatctgcccc 420
tctcagcctc ccaaagtgtc gggattacag gcatgagcca ccgtgcctgg actgttttta 480
tttttttaag agatagagtc ttgctatggt gtccaggctg gacgcaaact cttgggttca 540

```

```

agtgatectc ccatctcacc ctcttgagta attggaacta taggcaagtg ccaccatgtc 600
cagcagtttt ttttaatctca atgtacctgc ctgtggccag ctgacctact gctttcatgg 660
tctcatatca ttgtgtacat ttaccatcag gatcacgaca 700

```

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<210> 615
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 615
cttgctatgt tgtccaggct ggacgcaaac tcttgggttc aagtgatect cccatctcac 60
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aatgtacctg cctgtggcca gctgacctac tgctttcatg gtctcatatc attgtgtaca 180
tttaccatca ggatcacgac atagagagag taaaatgcac aggcctataa atgtaacgag 240
ctgttacaaa agtttcaaag ccacaggaag gttctaccag gtgcttagaa tgtttattcc 300
atttatacaa aaaagaacta gaaaaacagt tccagagtat aaaagactca agcctaggag 360
tctccatggt tcaattgtcc gatggaagtc ccattcttac caaagaatca tggcagattt 420
aggttttcct ggtgtcagta ttagctcaga cctcatattht aacaatgttt gaaaagtttg 480
ggtatctcct atactagtgt gtacttatcc tgatgaatgg ctccagatcg ctttggtaaa 540
ggattaaaga aagtttactg catgtatatg tagtgggatt atagagtcct cctgttcaat 600
caatggacac tgggtttatg aatgccttag atgtgggaac tggaggaaga gcttgcattt 660
ccactgtggt ggctgatgtc agccctttac cacttgatta 700

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```

<210> 616
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 616
tgtacttata ctgatgaatg gctccagatc gctttggtaa aggattaaag aaagtttact 60
gcatgtatat gtagtgggat tatagagtcc tctgttcaa tcaatggaca ctgggtttat 120
gaatgcctta gatgtgggaa ctggaggaag agcttgcatc tccactgtgg tggctgatgt 180
cagcccttta ccacttgatt acatatacat gctaattgat tatcaacggt tcttgtctct 240
aggaacactt taatttctta gccaccacaa tagatccctg aagggttaaga gtcaaggcac 300
cctgggttggc accatggcct tgctgtttgt ggtggtaatt atgtccccct tgccctctaat 360
gttttaagtgc ttccaacctg agctctgcca ttctagggat ctcatgttgc ctattgatat 420
tagggagtcc atgtcattgg cagcatcttt caccctcaac ccagcttaca ggggacatcc 480
accaccaatg tttgcaatga tgcctgcttc tcttcactag tgtatctgtt gctgtgttag 540
taaaaggagt atattctgtg tctccagga acatactcag atagtaggtt ctccaggccag 600
atacaaaaaa tccatttttag tattcctgct tctctgagct atctgctctt ttcttcaata 660
ctatgggagg aagttcagggt gtctccactt catattctgt 700

```

```

<210> 617
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 617
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gtcctccagg aacatactca gatagtaggt tctcaggcca gatacaaaaa atocatttta 120
gtattcctgc ttctctgagc tatctgctct tttcttcaat actatgggag gaagttcagg 180
tgtctccact tcatattctg tacaccatca tcaggatcag gcttcaagga gccactccag 240
caaactatta ggactaactc cagttgttct tgcgaaaact taattctgag tcgtaagtat 300
acccacacca ataaatccaa tcccattcaa ctctatatte ttctggacaa acagctgcag 360
gatgcactcg attctggatt ctgacagtac atattagtaa actcctgcac accttacct 420
tccctgccaa gactgtatgt cagctgtgaa gctattgtct ctccagcttca agcccactat 480
actatactct gctgcagctg ggattctgca aaccaatttc tcccttgcca gctgcaaccc 540
tgtaggagtc tgtcaatgga ggggtgtagc taggaggctg gaggaagaaa aggggacttt 600
tttcttctct ttgcttccca ttctttgttt ttgtttcctg ttctgtcctt cttatattcc 660

```

tattcctaatt cctaataccta acatgaaccc tggcagcagt

700

<210> 618

<211> 700

<212> DNA

<213> Homo sapiens

<400> 618

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gggattctgc aaaccaatth ctcctttgccc agctgcaacc ctgttaggat ctgtcaatgg 60
aggggtgtaga ctaggaggct ggaggaagaa aaggggactt ttttcttcct gttgcttcct 120
attcttttggt tttgtttcct gttcctgtcc tcttatattc ctattcctaa tcctaactct 180
aacatgaacc ctggcagcag tagttgactc tagtagcaac atttgattat agtttgagc 240
ttttccacca ttcatagaac cgaccttagc acacctcatt tccctctgag accccagcaa 300
cagccaatca gcatccctc agaggctctg atccctattc caaaggacc cttttctgag 360
ctcaggaact gcactgcatg cagagcagtg tccctctac agatgtctga gtttcaggct 420
cacaaagccc gtccctccaa tttataagtt ttaataatth tcacctgttc cttttgcttc 480
ccagacatag aagtgtctag tgcttcccac aattgccacc tccttgatac cttattgttc 540
cctttttgccc tgctagttt tccaataact ggctaacagt tctttatatt taattctgct 600
tattaaaata actggtatag tttgtgtctc ctggttggtg cctagttaac acaagatgtt 660
cttagatctg actttaatta ttggccttga ggcaataagg 700

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<210> 619

<211> 700

<212> DNA

<213> Homo sapiens

<400> 619

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ctgcttccca caattgccac ctccttgata ccttattggt ccttttttgc ctgcctagtt 60
ttccaataacc tggctaacag ttctttatat ttaattctgc ttattaaaat aactgggtata 120
gtttgtgtct cctgggtggg gcctagttaa cacaagatgt tcttagatct gactttaatt 180
attggccttg aggcaataag ggggtgttag ggaggggtgt gggcagaaca aatgtcatct 240
tgtgaagtat atgtttcaag tgaaatagtt attctgtttc caggcaagga gaagttagtc 300
tactctggca agggggaaag gtctgcttct accagttaag gagggtcag agaatttgga 360
ggttcaagag ttttaggttt gtccacccaa atgtttctat cccaggtctc atgggtccag 420
cctttcctca taagagccct gactttgaca cagaatgtgc aaaatccact cttctccttt 480
gaagctcttc aaaggctgca aataatcaga tccctgagcct aattttcaga tcgggttgcc 540
ctgcagttgc tggaaataag agtctcctct aaagttgcca tgggagttgt cgagcattcc 600
gagaatatgt taagttagaa ttagattgcc atgagcctat ctttttcttt tggttaaggct 660
ttcagtgctg tcagaagagt cattgtactc tgcaatcttt 700

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<210> 620

<211> 700

<212> DNA

<213> Homo sapiens

<400> 620

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aaataatcag atcctgagcc taattttcag atcggtttgc cctgcagttg ctggaaataa 60
gagtctcttc taaagttgcc atgggagttg tgcagcattc cgagaatatg ttaagttaga 120
attagattgc catgagccta tcattttctt ttggtaaggc cttcagtgct gtcagaagag 180
tcattgtact ctgcaatctt tataattacc attgttctca tataaccctg tcattttatc 240
tttcattgtc ttgctgtcca cctgcccctc atctaaatta accagagcta aaagcttaag 300
aaattgcaaa gccactgcct gccagaagtt attatcaacc tacttatatt cagcaatagg 360
ttcatattat tttaaaatag tgaataatcc aatgtcaatg ttccatttcc aagtgtttgt 420
tacctaaaac tacatctgat actaattgtc atagccaggt ctcttcagaa agcagagcct 480
gaagtcaggc tctgcttgcc ttctatgcct ggaaattaag ggtgctgtgt tgggtgtggg 540
gctgacaaag agacagatag gaggcagtga gggcaatctg agaaggcaca caaatatgta 600
tccaatacaa acataaatth ccacaactga tgcaagaaga catagaaaaa tctaaacaga 660
tctagaacca ctaaagaat taaaccagtc atttaaaatc 700

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<210> 621
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 621
cttctatgcc tggaaattaa gggtgctgtg ttgggtgttg tgctgacaaa gagacagata 60
ggaggcagtg agggcaatct gagaaggcac acaaatatgt atccaataca aacataaatt 120
tccacaactg atgcaagaag acatagaaaa atctaaccag atctagaacc actaaagaaa 180
ttaaaccagt catttaaaat ctttcttgaa agaatacacc aagtccagat agttttctag 240
gtgagtcctt ctaaagtgtc aggtcacata taattccaaa catatataaa ctcttataga 300
aaataaacia aatgagatat ttcccagctc attttgtgaa gctaatatgt agcatacgaa 360
agtcagagga ggaaaatata tgaaagaaaa attatgatcc catactcact catgaatgtg 420
gacataaaca ttgttatcaa agttttataa atccaaatcc agcatgtata aaaagacatt 480
acataacaac taatgtaatg tctttctttc aggaatataa aattaagtgt caggaatatg 540
aaatattcct ttatttcagg aatataaaat taaatgtcag aaaatctatt aatgtaattt 600
accacattaa tcacttttta aagagaagaa tcaggctggg cacagtggct cacgtctgta 660
atcccagcac tttgggaggc cgaggcaggt ggatcacctg 700
```

<210> 622
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 622
gtctttcttt caggaatata aaattaagtg tcaggaatat gaaatattcc tttatttcag 60
gaatataaaa ttaaatgtca gaaaatctat taatgtaatt taccacatta atcacttttt 120
aaagagaaga atcaggctgg gcacagtggc tcacgtctgt aatcccagca ctttgggagg 180
ccgaggcagg tggatcacct gaggtcagga gtttgagacc agcctggaca acatggtgaa 240
accctgtctc tactaaaatt ccataattag ctgggcatgg tggcggggcac ctgtaatccc 300
agctactctg gaggctgagg cagaagaatc gcttgaacct gggaggcgga ggttgcagtg 360
agttgagatc gtgccattgc actccagcct gggtgacaag agcgaaactc agtctcaaaa 420
tacaaaacia aaaagagaga gagagagaga gaagaatcac atgatgatat caatgcagaa 480
aaagcattac tgaaatttta cattcattta ttataattac tttttaacia agtcaaaaata 540
gaaaggaact tttttaacct gataaactta cagaaaatac tgtgtcfaat ggtaatatgt 600
tcaaatcatc tctttaaaaa aagaataatg caagaatacc tgcaggacca ctctgtgcac 660
tgcacaatcc caggaagcac catttacatc agagacatta 700
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<210> 623
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 623
acattcattt attataatta ctttttaaca aagtcaaaat agaaaggaac ttttttaacc 60
tgataaactt acagaaaata ctgtgctcaa tggtaatatg ttcaaatac ctcttttaaa 120
aaagaataat gcaagaatac ctgcaggacc actctgtgca ctgcacaatc ccaggaagca 180
ccattttacat cagagacatt atatatgtga gtatgtatga caatttcata ccagatagaa 240
gtatcttttt ccaatttgca cagaggcttt atatgatgta ctagtgtccc tggagactaa 300
ctttgtttcc attaaaaact gaccaaaggt cccagccttt gcaaaaagat cattcatatt 360
aatagaacta ataaatatga ggattataaaa ggaagaaaca aaaatcatat atatatttgc 420
agatgataca ctatgataaa aatggaaactc aaaaacacgt agagtcagtc aaatgattat 480
aaggaataag agagttcagc aagttgctgg ataaatatgc aaaatcaatt acaaattata 540
cattaccaaa aaacagataa tgtaatttta aagaagacat cattacaaat aagtataagc 600
attattataa tacttataag actataaagt gccaaagggg atggggggcac gtgcttgtaa 660
tctcaactac ttgggaaagg ctaaggcagg aggatcattt 700
```

<210> 624
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 624

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caagttgctg gataaatatg caaaatcaat tacaaattat acattaccaaa aaaacagata 60
atgtaatttt aaagaagaca tcattacaaa taagtataag cattattata atacttataa 120
gactataaag tgccaaaggg tatgggggca cgtgcttgta atctcaacta cttgggaaag 180
gctaaggcag gaggatcatt tgaggccaga agtttgaggc tgcactccag cctaggcaac 240
tgagtaagac cccatctctc tctctctaaa agaaaaaaaa aagaaatgta aagtgccaaa 300
gaataaatct aacaaaacat ggaaaacatt taaaaacttt atgaaagata gtaacaacag 360
caaatgcaga gacctagtat gtccacggat caagacttga cactgtaatt tgcaaactga 420
tttatacatt taatgtgact cctatcaaaa tccaagcat ttttttcatg atcatactat 480
gctgattcta aaatgtacac gggaaaatga gagtccaaga atagccaata caattctaaa 540
gaaggagctg aaaatgggag aacgtggccg ggtgtggtgg ctcacacctg taatcctagc 600
actttgggag gccaaaggtag gcagattgtc tgagctcagg agttcgagac cacaatgcgc 660
aatattgcaa aaccccatct ctagtaaaaa tccaaaaaaaa 700

```

<210> 625

<211> 700

<212> DNA

<213> Homo sapiens

<400> 625

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cgggaaaatg agagtccaag aatagccaat acaattctaa agaaggagct gaaaatggga 60
gaacgtggcc ggggtgtggtg gctcacacct gtaatcctag cactttggga ggccaaggta 120
ggcagattgt ctgagctcag gagttcgaga ccacaatgcg caatattgca aaaccccatc 180
tctagtaaaa atccaaaaaa attagctggg cgtggtggca tacaccttta gtcccagcta 240
cttgggaggg tgaggcatga gaatcgcttg agccggggag gcagaggttg cagttagctg 300
aggttgcacc actgcactcc agcctgggca atagagttag accctgtctc aaaagcaaac 360
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tatcaagcct taataattaa gtgtggtttt gacaaggggt tataacagta gttcccaaca 480
gaggggtgatt ccccaacccc aagggaaacat ttggcaattt ggggttgctc gaattggagg 540
ggaaggaggg gatgctactg gcatctactg ggtagaggtc acggatgctg ctaaaccatcc 600
tacagtacac acaacagccc tccacagcag aattctccca tccaaaatgt cagtagtggc 660
agggttgaga aatcctaggg gtagacagat agaccggtga 700

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<210> 626

<211> 700

<212> DNA

<213> Homo sapiens

<400> 626

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caagggaaca tttggcaatt tggggttgtc agaattggag ggggaaggagg ggatgctact 60
ggcatctact gggtagaggc cacggatgct gctaaacatc ctacagtaca cacaacagcc 120
ctccacagca gaattctccc atccaaaatg tcagtagtgg cagggttgag aaatcctagg 180
ggtagacaga tagaccggtg aaaaactaat taaaaaacag aaaatatgac ctgggagtgg 240
gcttatccag caggaaacag tagggacact catattgagt aacttaaggc agttttattta 300
ataaagggac cattataaaa gaacagagtg tagggaaaac aaagcccttg gcgactggta 360
acaggaactg caacaggaga gggactatct actgaaactc agagatacag agcacacaga 420
gatacagagc actacagcga tacagagcac tacatgcaga cggccaattg gcaagagctg 480
ggaccttaag tcaagggaca caaccagctt gcagcaacct tgcaaggaga gagctaaggg 540
catacatacc ttgcttcacg caccctctac cttttgatca cctgtcaatg ctcccattgg 600
caaacccaat gggaaactgt gggcaaatga gctattaatg tagttcatac tggtcagcct 660
cccaggacac agaggctaaa agggggtgga gaggagatct 700

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<210> 627

<211> 700

<212> DNA

<213> Homo sapiens

<400> 627

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acaaccagct tgcagcaacc ttgcaaggag agagctaagg gcatacatat cttgcttcac 60
gcacctccta cctttttgatc acctgtcaat gctcccatgg tcaaaccctg tgggaacctg 120
tgggcaaata agctattaat gtagttcata ctggtcagcc tcccaggaca cagaggctaa 180
aagggggtgg agagcagatc tggagaggca aataggagct ttccagatgg aatggaagga 240
tttcataaat aaaaccccca aagagcagag caccaaggaa aagactgata cattcaatat 300
tcatcaaatt taccataagg agagtgaaaa gacaaaccgc aagctaggac aaatatttgt 360
ttcatatata aatgactaag gattagtttc aagaatgtct aacaaaatcc tcttaatcag 420
taagaaaaag ataaattacc cactagaaaa aaaaaaggta aatgacatga ataagtattt 480
cttagaacag gaaacacaaa tggccaataa acatataaag agatgttcaa ccttattagt 540
agtcaggaaa atccaaaatt aaaccacagt gagataacat ttcacaccca ccagactggc 600
agaaattaaa aagtcagaca ttacaattct tgcccaggat gtaaaagtaa aggaattctt 660
acacattgtc cacaaaagag taaaatggta cttttgaaat 700

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<210> 628

<211> 700

<212> DNA

<213> Homo sapiens

<400> 628

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atggccaata aacatataaa gagatgttca accttattag tagtcaggaa aatccaaaat 60
taaaccacag tgagataaca tttcacaccc accagactgg cagaaattaa aaagtcagac 120
attacaattc ttgcccagga tgtaaagtaa aaggaattct tacacattgt ccacaaaaga 180
gtaaaatggg actttttgaaa tgtagttctt agtaaaaaat tgaacgtgca cgtaccttat 240
gaccccgaat ttcaacctag tgcattttct agggaaattc ttgcccatac acgtcaggag 300
agataaacia ccacaatcat agtagactgt tttcttaaat aaacttattt taggaaaact 360
ttcagggttta cagaaaaaatg gggaagatag tacagaaagt tcccacgtac tccatatcca 420
atttttcccta ttcttaacat ctttcttttt tttttttttt ttttttttag acggagtgtc 480
cctctgtcac tcaggctaga gtgcggtggc acaatctcag ctactgcaa tctctgcctc 540
ccagggtcaa gcaattctct tgccctcaacc tagctgggat tacaggcatc cgccaccgtg 600
ccctgttaat ttttgtattt tcatttttta gtagagatgg ggtttcacca tcttggccag 660
gctgggtctc aactcctgat ctcatgatcc accacctcgg 700

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<210> 629

<211> 700

<212> DNA

<213> Homo sapiens

<400> 629

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agtgcggtgg cacaatctca gctcactgca atctctgcct cccagggttca agcaattctc 60
ttgcctcaac ctagctggga ttacaggcat ccgccaccgt gccctgttaa tttttgtatt 120
ttcatttttt agtagagatg ggggtttcac atcttgacca ggctgggtct gaactcctga 180
tctcatgatc caccacctcg gcctcccaaa gttctgggat tacagggtgt agccacagca 240
cccagtcctt aacatcttac attagtatgc tatacatgtc acattaatga atcaatatgg 300
atgcattatt gttaactaaa gtccatatct tattcagatt tctttagttt tacttacttt 360
ttgcagcatg ttcttaacaa ctaaaacttt taaaaccccc aaaatggggc aagagcagtg 420
gctcacgcct gtaattccag aactttggga ggccgagggt ggccagatcac ctgagggtcag 480
gagttcgaga ccagcctggc caacatgggt aaagcccgtc tctactaaaa atacaaaaaa 540
aaaaaaaaaa ttagctaggc atggtggcac atgcctgtaa tcccagttac tcgggagggt 600
gaggcaggag aatcacttga acacaggaag cagagggttc agtgagccga ggccgaccca 660
ttgcactcca gcctggggcaa caagaacaaa actccatata 700

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<210> 630

<211> 700

<212> DNA

<213> Homo sapiens

<400> 630

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ccaacatggg gaaagcccgct ctctactaaa aatacaaaaa aaaaaaaaaa attagctagg 60

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catggtggca catgcctgta atcccagtta ctcgggaggc tgaggcagga gaatcacttg 120
aacacaggaa gcagagggtg cagtgagccg aggcggcacc attgcactcc agcctgggca 180
acaagaacaa aactccatat cataaaaaaa aaaaaaaaat ctgcaaatg tccatcagta 240
ataaaataga taaataaatt atggcttact catttagaag attatagtaa agtaaataca 300
gtaaataaat aaactacagt tatatgtatc aacatggatg agtctgaaaa cattttgttg 360
accagtaaaa gcaaatatta aataaatata tccaacatga ttccatttat aaagagggca 420
aaaataggaa aaatgaaatc atatatatt agaggatatt tatatatata ataaaacaag 480
aataacaaat aaatgattaa ccaaaaaaat aaggataatg gttccctttg gtggggaggg 540
acatggaagc tggtggaggg acaccttcat ggggagaggg aatgttccct tcagttgggt 600
ggtggacaca tgggtttttg ttatgtttta aactatacat agagattgta atttttttgt 660
atgtatgatg tttcataata ataattttta aggcctctgat 700

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<210> 631
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 631
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gacaccttca tggggagagg gaatgttccc ttcagttggg tgggtggacac atgggttttt 120
ggtatgtttt aaactataca tagagattgt aatttttttg tatgtatgat gtttcataat 180
aataatttta aaggctctga tccctgctct tttctttccc cttgaaagca ggttgtctaa 240
atagtccctc tctccaaca ttctggctta agggaaaagg tgacacttta gagtccagagc 300
aaacaggaac cccagccctc tgtgccccaa ccaaagaaat gtgattatgt ctcttatcat 360
cttcttcaag cccaccaca catcatgatg ctctctgttt ctcagaagct gaaaaagggtg 420
ctgacataat gtaatgagta gaatcgaggc agtatacacg gatctacca gagccatgtg 480
tgtcacccga ggggcagggt ggactctcag ctgtggttgg gaacataggc caaatctctg 540
cctttagggt ggaaatgacc ccaaatttga agattcatgg agcagggtga ctcttgctgt 600
taagaatgag agactcaccg tcatcagccc caagagatgc cttctgcaac agcgaaaagc 660
cacctcttgg cagatccctt tacgtgggta cagctggact 700

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<210> 632
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 632
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cccaaatttg aagattcatg gagcagggtg actcttgctg ttaagaatga gagactcacc 120
gtcatcagcc ccaagagatg cttctgcaa cagcgaaaag ccacctcttg gcagatccct 180
ttacgtgggt acagctggac tgggcactgg gatccagctg gggcctggga aactgccaca 240
ctggcacccc ctattcctcc acagtcattc ctacttgctc tgttcatttg gttgtttatt 300
cattcactca gcaataactc acacagctgc aatgtgccag gcactgttct aagtattggt 360
ggcacagcag ggagcaggac atagccctgc tctagcagca tcatacacat ttaggaggggt 420
cagacaacaa acaataaaaa caactataaa ttgtggtaag tgccctcagt gcaagtagta 480
gaagcaaaac aacccagtgt taagatgcta aagtcaggct acctggnttt aagttctgct 540
tctactgcta cctgccattg ggcaagttaa ttaatcttcc taggagtcn ttttccttcc 600
tatagattgg aagtgatcat caaacctact gaataggatt gattgaagat ttattcttcc 660
caaaaatatt tattgagcac cactatgtgc caggcaccat 700

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<210> 633
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 633
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 tcaaacctac tgaataggat tgattgaaga tttattcttt ccaaaaatat ttattgagca 180
 ccactatgtg ccaggcacca tgccaggcac taaggattaa tagtgaagggt gacagacaag 240
 gttctgccct ccaggaacat acatgatagc agaggaagag tcaactggaca agcaaaggcc 300
 atgtcggatg tgataagggc tagggactaa cgtgatccag ggagattcag gaagtgccag 360
 ggagagaggg ccactttata tgtctgacaa ggtgacattt gagagctaaa tgatgaaaag 420
 gagccatcta tgtgaaagcc tgggggctgg cgatagttaa acagagggac agcaagtgtg 480
 aaagtatagt agcaggaatg aagttggtgt gggtgaagaa cagcaggaag acagatggct 540
 ggagcacatt agcagggagg taggagatga ggctagggag ggaagagagg gctcatgcag 600
 actcatgcag gccagagaaa ggactttgca tttcattcta gtaatgggaa gtccctgagg 660
 gtttaaagca gaggagggtc agatgactta cttttttttt 700

<210> 634
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 634
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 aggactttgc atttcattct agtaatggga agtccctgag gggttaaagc agaggagggt 180
 cagatgactt actttttttt ttgagacagg gtctcactct gtcattccagg ctggattgca 240
 gtggcaccat cacagctcac tgcagcgtca acctcctggg ctcnngtgat cctcccatct 300
 cagtctcctg ggtagctggc actataggca tgtgccacca cgccaggcta atttttgtat 360
 tttttgtaga gatgggattt ctccatgttt cctaggctgg tctcaaactt ctgggctcaa 420
 gcaatctgcc tatgttggcc tcccaaagtg ctgggattac aggtgtgtgc cactgcaccc 480
 ggcaacttac attttttaaa gatctctagc ttttgtgtgg gcacagatta gggtgtaatg 540
 ttcgaccaga gaaacaagtt aggatgctat tgctccatgg tgagtgcacat gggtatacag 600
 ggtgaatggt gcaggggtgg ctggaggaga agacagaatc ctacagtgca gggcattgta 660
 gtgggcatct gatctctctc ttctccacc tctatgcagc 700

<210> 635
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 635
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 gctggaggag aagacagaat cctacagtgc agggcattgt agtgggcatc tgatctctct 180
 cttctcccac ctctatgcag ctgcttctct ctccctcagaa tccagacca aattttacct 240
 tctgctggga aagccttctt tccctatatt ttgtttgcag gtggcgggg cncctggac 300

```

ctgggattcc caggttcttc ctccctaactt gctgcctcgt ggccctagac ccctcttgtg 360
taacacagac atcagtcagg ctctctcagg ctccctaagac ctggacgaca ggctcaagct 420
cctatttgct caggtgcaag tggaaagctt ttgccagggt gtttgcaagt tcccttgtgc 480
atgactgtgc atgactagca ctgactctct cctgatacag catgggttaga tctgtgtgtg 540
gctcatcagg acattcaana agtaatgccc ctgttctgca cccacagaa ggcagtcctt 600
tccactgagt cccattcaca cagccaagct gaccatcacc cggatctgcc tgtggcagaa 660
gcaacttcaa agtgagcgct agtgctccta ttcttgaagt 700

```

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<210> 636
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 636
actgactctc tcctgatata gcatgggttag atctgtgtgt ggctcatcag gacattcaan 60
aagtaatgcc cctgttctgc accccacaga aggcagtcct ttccactgag tcccattcac 120
acagccaagc tgaccatcac cgggatctgc ctgtggcaga agcaacttca aagtgagegc 180
tagtgctcct attcttgaag tcctgtgggc acgctacagt gatagaactt cttcttcttc 240
accccttttc cattctgtct gcagctttgt gccatcttgc cagttcccc tctctcttca 300
cccaattgca gtttatttct aatacacaga gcaatttctg tagccctttt gtaacaattc 360
attgtccacc tatggaccca agatctcagc ttccctacct cctctagtgg ctgatgcagg 420
tatttccaaa aaaaaagtcc tagagcagga tcctggctgg ccacacggct gtccagtgc 480
gctcctgccc acaaggttct aagaggttaa ggcttgacat atcagaaaag gaaaggaagc 540
ctgtgtgaca cagaagcctg ggttgaggga ggctacgctc tgtgtactgt ccccgggcag 600
aggcggtttt ctgggtcacc tgcatgtccc aacaccggcc tctgggtggc ggcagatggt 660
aatcctaaaa cccttctgtc cccacctcag aggtgaagta 700

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<210> 637
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 637
taagagggtta aggcttgaca tatcagaaaa ggaaaggaag cctgtgtgac acagaagcct 60
gggttgaggg aggcctacgt ctgtgtactg tccccgggca gaggcggttt tctgggtcac 120
ctgcatgtcc caacaccggc ctctgggtgg cggcagatgt taatcctaaa acccttctgt 180
ccccacctca gaggtgaagt acctgtgcac tagccttccc cgtctgggtc cccaaggcc 240
cccacactgg gcgcacaggg tacaggagg agccaagccn tctgtctccag ttctgccttc 300
tgcgaggag ccctttgact tctgggagtc aacccagct caccacaacaa ggagataggg 360
caggtgggag acaccctaag ctcagaaggc ctacaggaga tggagagcac ccatcctcca 420
cctctactcc ttctccagac cactccacac ctgcagctt cttgtctctc accctcgcat 480
ttggcccagt gggcaccaag aacaagnacg ggtgactggc taagctgggg ccaaactcac 540
tgacagaatt ggaattgtgt caaaacacca cttttatgtc ctacctttc aggcctgcat 600
cagtgtagc tctgcagaga aaggggctcg tcttactgaa ccctcagatc ccagcacgct 660
gctgtcctat ggaggcatcc atgcatatca gcagcagaat 700

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<210> 638
<211> 700
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 638

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tcaaaacacc acttttatgt cctcaccttt caggcctgca tcagtgtgag ctctgcagag 120
aaaggggcct gtcttactga accctcagat ccagcagcgc tgctgtccta tggaggcatc 180
catgcatatc agcagcagaa tgaatggatg gagggaggaa tgaatgtaat gaatgctgct 240
ccttcactgc cacctgcctt ctcaccctgc ccctcgaggg cagaatacta tggcttttct 300
tttcttcttc ttcttcttct tttttttttt tgatgaggtc ttgttctgtt ccaggctggg 360
agtgcagcag tgtgaacaga tgcattggctc acngcatcct ccacctccca gactcaagtg 420
atctccttcc ctcagcctcc caagcagctg ggaacaaaag tgtgtgccac tatacctggc 480
taatttttta gctttttagt aagggtctca ctatgttacc caggctgggc tcaaactcct 540
ggcttcaagc catcctccca ccttggcctt ccaaagtgtt gggattacag gcgagagcca 600
ctgtgcctgg cttgctatgg ctttttagag tttctcacc aattacctcc tctactcaat 660
ttctagctcc catttttggg tcctccatgg cctttgtccc 700

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<210> 639

<211> 700

<212> DNA

<213> Homo sapiens

<400> 639

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gaagggcttc actatgttac ccaggctggg ctcaaactcc tggcttcaag ccatacctccc 60
accttggcct tccaaagtgt tgggattaca ggagagagcc actgtgcctg gcttgcctatg 120
gctttttaga gtttctcacc caattacctc ctctactcaa tttctagctc ccatttttgg 180
ttcctccatg gcctttgtcc cccaaatctg cccttgttgt cagagcactg gactaggagt 240
caggagtacc aggtttgtca tcagttagcc ctttgtgtct catggcccca tctgtaaaact 300
ggaatggggg tttctcttga tctcaggatg taagtgggat gaaaaagtgc ccaatctcac 360
ttaagactgt ggtttcctga ccagagttt cagttctgtc ttttcttttt cagtatcagg 420
agtgttacat gcctgttatc ctaaacacac actcacactc ataaaggatg aaaactgagt 480
cctcccagaa gtattatctg tcagttgggt atctgttgtt atgttacaga tgattccttc 540
actccttaca ccaaccctgg cagttgggta tgtggattac ccatgtgtat tagttcattc 600
tcacactgct ataaagacat acccaagact ggacaattta taaaggaaag aggcttaatt 660
gactcacagt tacacatggc tggggaggcc tcaagaaaca 700

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<210> 640

<211> 700

<212> DNA

<213> Homo sapiens

<400> 640

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gtcagttggg tatctgttgt tatgttacag atgattcctt cactccttac accaaccctg 60
gcagttgggt atgtggatta cccatgtgta ttagttcatt ctcacactgc tataaagaca 120
taccacagac tggacaattt ataaaggaaa gaggttaaat tgactcacag ttacacatgg 180
ctggggaggc ctcaagaaac aatcatggaa gaagccaaga gagaagcaaa ggcacgtctt 240
acatggcagc agaccagaga gaccgcaaact gggcgaaact ggaacagccc cttataaaac 300
catcagatct cgtgagaact cacttactat cagcagaaca gcatggggga aacctccctc 360
ttccaatc acctcccacc aggttccacc ctccacaggt gaggattatg ggaattacaa 420
tgcaagatga gatttgggtg ggggcacaga gccaaaccat atcaccatgt ttcatatgaa 480
gaaagtggga attagagagg ccaaggaact tgcccaaggc cacatgctgg gaatggtagg 540
ctgcggtacc gcaggaagac ataagatgaa atgcatgaag aacattctga aaaaagtga 600
atcttctcca gtgcttggct ttatcgtgag ctgatcttgt gatttctgtc actcaggctg 660
tggatgcaag ttaaaaagca tcagctgtaa ccagtcacag 700

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<210> 641
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 641
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 cataagatga aatgcatgaa gaacattctg aaaaaagtga aattttctcc agtgcttggc 120
 tttatcgtga gctgatcttg tgatttctgt cactcaggct gtggatgcaa gttaaaaagc 180
 atcagctgta accagtcaca ggaggatttc tgagttgggc tggggtaggg gagagagatt 240
 tctgcttttg gtcccatag tttctgtaac tctggtttag tttccttgtc actggatcct 300
 gcattccttg agggcagcca ttgtatttta tctttcagct ttactaaagt atatgaaaag 360
 ccgggcatgc taaagtgtac aattcaataa gttagaagt tgtattcacc tgtgaaacta 420
 tcagaacaat caagatactg aacacattaa tcacctcaa aatgtcctca tgccttcag 480
 caatcccttc ttcccaggca atcactgacc tcgtttccgt cactatagat tagttggcat 540
 tttctagaat ttataaaaa tggaatcata gtctagtttc tttctttctt tcttttcttt 600
 tcttttcttt tttttttttt aagagtcttg ttctgttgcc caggctggtg tgcagtggcg 660
 caatgttggc tcaactgcaac ctctgtctcc cgggttcaag 700

<210> 642
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 642
 aatcactgac ctcggtttccg tcactataga ttagttggca ttttctagaa tttataaaaa 60
 atggaatcat agtctagttt ctttctttct ttttctttct tttttttttt 120
 taagagtctt gttctgttgc ccaggctggg gtgcagtggc gcaatgttgg ctactgcaa 180
 cctctgtctc ccgggttcaa gcaattgtcc tgcctcagcc tcccagatat ctaggattac 240
 aggcgcgtgc caccatgcct ggctaatttt tgtattttta gtagagacag ggttttgcc 300
 tgttgtctag actggtctca aaccttgac ctcagggtgt tagcctgcct ccggcctccc 360
 aaagtgtctg gattacaggc gtgagccacc gtgcccgcc agcctgcctt cattgacttg 420
 gaataattat tttgagacgt atccatgt 448

<210> 643
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 643
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 gagaagtgat gcttttcaga aaaaaagagc aaatatatgt ggacaggaag gaacttcgtt 120
 gtccatgtaa cagatataaa attgactgta aaaggcatgt gctcgcaatg tcaaagtctc 180
 tatgagtaca gaaggacaca gactgtatta cctgtgtcta acttggtgctg tttctcttgt 240
 ttctcctggg tgacttgttg gacagttcga tctaagtcta ttccttgtag cttagctgct 300
 tgttgtgcaa tttttctttc aacatcttta agttccatct taagaatata acaaaatgat 360
 ttcttttaac aaacttactg cattattcaa aatctttaaa aattaattgc tcttatcatt 420
 tattttttta atctaaactt ataaaccatt tctagatata attttagcaa agtttaatat 480
 gataaaagtg aaattaatta tcagcaattc aaatgatgta aacaaaagga agctgactaa 540
 agatgaaaaa caaacagaac tgtcttaatt tttaaattta t 581

<210> 644
 <211> 632
 <212> DNA
 <213> Homo sapiens

<400> 644
 ttcttttagga ctgaactaaa ttgctggtat cactgctcag aagagtcttg aacttgatgg 60
 agcttatggt gagaaatata gtttatttta aattttttat ttttaattcc atttttccat 120

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gaacttttctg aagtctcctt gtatgtaaga actaaagttt atcaatataa cataccattt 180
catgacaata aattatttta aaacaattaa acaggtaagc atgaaataag agattttctat 240
tacatctcca aatggttgca cttacttcaa tttggcaagt ctgtccctgg tctgattaat 300
ttcttttgat ttactatgta gccagtcctc aagctgtttt ttgttgggaa aatatcccaa 360
cagtgaaggtt aattcatcac tgtgcctaga ttttattttt ctgatttggt catctttgtc 420
agcctatagg taaaaaaaaa atctttttaa aataaagtct atatctccac attatatcaa 480
gaacaaaaat aaattctaga ctgactaaag ttctaagctt aaaactataa aaatatgaaa 540
ataaaatata aaattttcta aagttcttaa agtcttcaag tggggatggg ctttctaagc 600
cttaagagtg gagtaccaag tcgaacaata ta 632

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<210> 645
 <211> 711
 <212> DNA
 <213> Homo sapiens

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<400> 645
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attttcaggc tatcgggttg tagaaccaaa gagtcagaag atcaagatat tcagatgaat 120
tcatttttaca tgagaataag acaaagttga tgtttttatt aaaatgctat aatcttagga 180
tcaaaaatag acaaaatact tctaaaagta ttatatctta aaattattag attattcaaa 240
caatatctta cagcttttat gagctcctgg tccagttcaa gaatcctgtc tgaagatcct 300
tccaactgct gtaattcata cttcacattt ttcagctcat tctgcttctt acttaggatt 360
tctgatttta actcaattat tcttcccagt ccagttttct tatctcttat ctcatctatc 420
tgtttttgtt tcagagtctc tttttctgca aagtcattct aaatgcatat gtaaagaatg 480
agcattaata atttactaaa caatttaagt tttttaattg caaaaggaat atatgtacac 540
tgaagaaaat acaaaaaagt acagtcgtgt gttgctcagc agggatatat tccaagaaat 600
gcatcattag gcaattttat cattgtgtga acatcagaat gtatttacat aagcctacat 660
ggtatagttt aatacacaca tagactatat ggtatagcct attgtttatg g 711

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<210> 646
 <211> 631
 <212> DNA
 <213> Homo sapiens

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<400> 646
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ggaggaggaa aacacatgaa aatgtcaaca acgggttacta ctgggtgcta aaactgtgtg 120
gggctgactt tcattttctt ttatagtttt ccagtgccaa gttttctata ataagctatt 180
atcattttta taattataaa aatacaaaat tgtactagca ccattacctt gggatcgtgt 240
acaaatgtat ttccttttgt tccaggaggg aaatctccag tacaatatata ttttagacat 300
tcaatgatgg tctaaagaaa tagaaaatta cattatttctg ttataagaga accacagaag 360
tttaccataa aatatgaatt cattacaaaa atattattta tcatggaaac tataaaagat 420
aaaatctgac attataaaac ctgtaataaa aatatgatta agtggttaat ctgtaagttc 480
acagaaatgc tatataacta agaagttatc ctaatatgaa gaattgttac ttgggaaaaa 540
aataattatt ttcaactgaa acccttttaa ctaatttaag ttaataataa gaatggctaa 600
cagttaagta ctgtattgta ctaagcactc t 631

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<210> 647
 <211> 1249
 <212> DNA
 <213> Homo sapiens

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<400> 647
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gagaccaggg aagcgggggtc agttcatgtc aaaactattt tccttttcat tctcattctc 120
tctctaacgt tcgtgtagta atttccagtg atcacataac atgtgatgac gccattgcag 180
tggcggttaa tggaatgtgc gcatgtgtat tcttgcgctt agaaatacca attttaattt 240
ctaattgagt aaatgttgat aattataact cacgtacacg ctctttgagg tccccgtaa 300
tttttttagt taaaggcgctc ttttaagacca aaagtctggg aactaaaact aaaagcagtc 360

```



```

tgcaaatatg aagaatgtag aggtaatcca ttccgatcag tgctcccagc aatagatatc 420
tttaaaaaata agggaaagag aagttacctg tctcagaagt aactgagaat attgctttct 480
tggaacaaaaa cttaatggag ggatattaca tttaagggcc tagagaaaca tacataaaaa 540
ttactgaaac aatagtggag gacatttaaa tgaaacacaa atttggaatt actgtagtgg 600
tataatttgc ctctgcctgc cttggaaaaa tgtaggaaat gtttctccag tcatacaatc 660
ccaagcaaat aatttacaga acctaataca taaatgtatg tgccaaagga tgcaagtggg 720
gaagaccagt gagaaatagt ctcttgctgt accaggttaa aaaaaccgga aagtgtcagt 780
tattacaaaa tagttaaaat aactaatgga acaaaacatt aaaattatat aggaatgtct 840
tacttggaac agcaaagtga ataaaacaat gggaaaagac gaaagacctt tttttatttt 900
aaaaattgta aaatacacat aaaatttact gtcttgccca ggcgcggtgg ctcacgcctg 960
taatcccagc actttgggag gccgagacgg gtggatcacg aggtcaggaa atcaagacca 1020
tcctggctaa cacggtgaaa ccccgctctc actgaaaaca caaaaaatta gccgggcatg 1080
gtggcaggcg ccgatggctc cagctactca ggaggctgag gcaggagtat ggcatgaacc 1140
cgggaggcgg agcttgctgt gagccgagac cgcaccactg cactccagcc tgggcaacag 1200
agcgagactc cgtctcaaaa agaatttact atcttaacca agtgtacat 1249

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<210> 648
 <211> 696
 <212> DNA
 <213> Homo sapiens

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<400> 648
ggttcccggc ttagctccgg cgggagcatc aggtggggcc caagacaccc gcagactagg 60
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gggtcccagc catttgacag ctccagcggg tggagacggc ttggtggggg agatctctag 180
ggcgccagcc gtgccccact tcccccttac gggaaaggct ttccagcgcg cggaccagg 240
agactctcac ctaggctcgg ccccaggctc caggggacac gcagaggccc gccgggcacc 300
agccccgagc cccccgacac tgccgtcccc gtcccccaac gcgcggacta caagtcccag 360
cagtccccgc agctggcacc tcccgcctcg ccgcggagac ccccggccgt ccaagcggcg 420
gggctccggc tgcgtcctgt gccggggcgg gcggggaggc cgggtcccgc ggcgggggca 480
ggggcgggct cgcggtctct cccgcgcgcg ccgccaaggg gagtttccag gaagtggcca 540
tattggatcc attcagccgc agccgcccgg gcggagcgcg tcccgcagcc ggctggtccc 600
tgtcgctgcc cctgcgctcg tcccagccca cccgcccggg gcggagctcg ccatggcggc 660
caccgacctg gagcgcttct cgggtgagggc cccgct 696

```

<210> 649
 <211> 1121
 <212> DNA
 <213> Homo sapiens

```

<400> 649
ggccgtccaa gcggcgggggc tccggtcgcg ctcggtggcg ggccggggcg ggaggccgg 60
cccgcggggc ggggcagggg cggtcccgcg gcttctcccc ccgccgcgc caaggggagt 120
ttccaggaag tggccatatt ggatccattc agccgcagcc gcccgggcg agcgcgtccc 180
gcagccggct ggtccctgtc gctgcccccg agctcgctcc agcccacccg cccggtgcgg 240
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gcgcgcgcgg gaggcgcggg gcgcaggagg ggccgcccct cagctggcgg ggggcgcgaa 360
gcgggctgtc agcgctcac ggccgggect cgacaccggg ccagctcgag gaccccgcg 420
cgggctctcg gccgcgtat cgggggggtc cggagcgctg ggcggcctgc cttgccgggc 480
ggctggtcgg ggtcgcttcc tggggcgcg gcaaggctaa cccctttcgc gggaaggagc 540
aaagaccgcg ctggctccgg gcaggtgcga agatagagtg gcgcccgcgg ggccgcaggt 600
gagggtccgg gacactccgg accctatcgc ccagggtgtt tctttctgca cacttgggga 660
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gatccgagag agtctccac acgagcccag gacagttgca gacttgagtc ctgaagacct 780
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agctggaggg attccagact cagcccagtg ggcgtttatt tgggctccag tccaggtcct 960
cagaaggttg atgtccctgg tgggtccctg aggggtctca ctgggcctga gcctgccgac 1020
agccaactta ctaaaggctt tcataattca ctgcggggag ggaggcctt ggggggttgt 1080

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atctggacat cccctgctgt ctaaggctgg atctgggtgt g

1121

<210> 650
<211> 632
<212> DNA
<213> Homo sapiens

<400> 650
actacctatt tagtatacaa gaaattaact actgtacatc actgtgactt tagttaataa 60
caatatataa ttgctaagag agtagatttt aagtgttctc accataaaaa aattgaagta 120
atgaacgtta aatagcttga tttagccagt ccacgatgta tacttatatc aaaacatcat 180
gctgtatacc ataaagatat acaatttttg tcaattaaaa ataaaatcaa gttaccttca 240
atggatcaag ttcatttctca taggatttga caatttcctt tgaagatggt aactgggctt 300
ccttacttgt aatctgatca cgaatctcac aagctttttc cttatatgtc ttcagatatt 360
ttagttccat ttgatattct tttactttct gaccttgtgt ctgacgtacc tgccgaagtg 420
tttctaaggc tttaatgtat ctttgaagat atgaaacaaa aatcaaattt ctggcaaagt 480
aaattatggt atatattcat acagtgggat attatgctgt cactaagatt acagttacaa 540
tgagttttta ataacttgta aaatgcctat gacataatgg taagtgaaaa aaattacatt 600
tatactgtca atcaggtaaa taaatatacg ca 632

<210> 651
<211> 510
<212> DNA
<213> Homo sapiens

<400> 651
tggatgagag gtagtaactg atgacctttc tgcttttttaa attttttctg ttaaaaagaa 60
gcatccaaat tgcaaacaca gttcaataac ttaatggact acaaagtcta ttttaagggtt 120
acaaaccttg ttgctgaaaa aatctcatca aacttttgct tcaaagcctt tccttcactt 180
aaaggccaat tagaatcttc ttgatgacag aaaatgacat tatttagcac agccttgga 240
accccaagag aactgatcat ttctcggtca atttctgcac acttagagct cagactgacc 300
ttttcaccat gcctacagaa aatgaaaatc aagaatatat gtaaaataac cttcagtgt 360
tctattctat tgcttaatac attcatactg tacttcttta aaagaataaa aaaaaaggcc 420
cttcacctat cccgtagaaa atggcttcat catgctaaaa agtgtaactc ttaaactatt 480
taacggttca cagatgaaaa gatatgtaaa 510

<210> 652
<211> 845
<212> DNA
<213> Homo sapiens

<400> 652
gaccccatc aactacttca aatttttagtt ggggaaacca agtcccagag agagaggtca 60
ctggatttat aaagttaaaa gcagagccaa acatacatct caccatttct ggtcatcctc 120
agatattaat actcagtttt tcaaaccaca tgcaagggaag taaattcaga ggtaacattt 180
aactatgatt taaaaaaata ccaaaaccat aaattttcaa ggcagtaatt atctccttct 240
caacagtgtt ttgagaagaa gcatgcattt gcaactggga gggaggcaca gactcgagtc 300
tcggctgtac tgctgaaccc tgaaggcctg acagaggctg cctggaatgg gatgaagagc 360
agcaaatcag aaacaggcaa tctgtccaat tttcagttaa acaagtttca tgattttaga 420
acctctcaac atccaaaatc ctagacacaa tgttcctttg aaagaatata ttttcttatt 480
gactaagttg atatgagaaa taagtttctt attatacact ttctgaggac ctacatttct 540
atggcattta aatcttggat atttttaatg aacattgaat cccaggagac taacactgca 600
tttcacaatc tctgagcact gatcgatgtt ctttttaatc ctgtagaatt tctccacata 660
ttcagaacgt cctaaaagct ccacaaaatc ttcacatga gtgattacca gaagctggaa 720
gttacgtgc tgtgagcgac tttttattat ctgcaacaat atattcagaa catattatta 780
gtaaagagca taacccttct tttgatttga aaagtcaccg caaaccttgt cagacacatg 840
aactc 845

<210> 653

<211> 789
 <212> DNA
 <213> Homo sapiens

<400> 653
 acacctgtgg agccctaggg acgctttctgc tcctaaggag agttctcaac ttcccatttt 60
 attctccgaa agatgtagcg acctgtaaac tgaaggcggc tactgaagac ttaccgtctt 120
 tcccgcccca ttgggtccaa ccaaaattgt aagggggctg aagaaagtga taatttgctt 180
 atctttgtcc tctattccaa aactccgcac gcccagaatg ctcattcttt cgatccggga 240
 catgtttgca aacgtttcta atctcaccag ggacctggag tccacaaagg cttaactgag 300
 gccgaagcaa ggcgtgcacg ggacgtgaga cccgcgaatc tcagggtcag gaggatccgg 360
 gcggggagcg aggccacag actgccaaaa gatcctgcca gccaacagcg ggagagaggg 420
 ggcgggggat ggagcctttc ctcccacacc agctgctttc cccgccgggtg gggagagcgg 480
 aggcggggac cagcctgggg ctgcccgcgc gggacgcaaa gccgtagcca caatgcgacc 540
 ccgaaccgc gcactcacag cttcctgcct cggccgcctt gcggatcacg tgggctctta 600
 ggcccgcacg cgtccacgcc gctctcctgg ggcacgccgg gaaatcagag tcccgcgggtg 660
 cgtgcgcagc tccgacttcc ggggtgcggta cggcgaagca gagggttagg tgctgggtgc 720
 tgttgccagg ggcagcggac ttccggatct ttgctgggga tgggcagcct ggagaggcac 780
 tgacttttg 789

<210> 654
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 654
 aagtctattg aaaaaaattt aatatgctcc cctaaactta tagtagaaaa caaccatcaa 60
 cttacagacc taaaagactg aaaatgaaca gaaattcaaa tatcatataa acacctactt 120
 tgttctagta atgactcctt ccagagtttt aaattctgtc tttttgcttt tctgagtaca 180
 caccatagat ctttgcacag ctataagttc tccattgaca tcacgaaatt gcagacgaat 240
 ctgggctctc acatctgttt cttgagcaac ctttgaagga aaacacagaa aaaacttatg 300
 ttactttaat aagcaccagt gttggttctg agaaaaaggc ataagcaatc ttacccaaaa 360
 tgagggaaca aaaagaaaaa catccaaaat gagtgatatt tttacatgct atccaaaaata 420
 tagaagaata ctgtttaatt aatttacaaa aatgatatac tatcta 466

<210> 655
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 655
 agattttatc ctaacactaa tagaaaaata tgccaaaatg gagtccaacc aaaaattaaa 60
 acaattcaag tagagaatat gatgcaaaac aaataacaaa tactgtattt caaaatactt 120
 gccatcagtt ggttggcagt ttttgcttcc ccttcttgtc tctctctcac aagtttgtga 180
 aaatttttaa tctgtctttc actgaatggc ccacgctcaa agccatccaa ttctagctgt 240
 gttgccaaag actgaattaa tgaatctcta gctcggatat gttcttgatg gcgatctgct 300
 tgcagctgta gacgacctt taaaaaaaaa atctcataat ttttttttca actggtgctt 360
 aaaaagttga gatagctgca gattcacgag ttataaaaaa taatgcagtg tgtctcttgt 420
 acattttgcc cagtttctcc caatgataac attttgcaaa actgcagtaa aata 474

<210> 656
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 656
 tgtatagcct tttaagattg gcttttctact cagcataagt ccttggagat tcttcattca 60
 tacagaaaat gtataacatc atagtaggaa aaacgaccaa ataaacattt tgtcctaccc 120
 tgttcaacaa gcagttctga tttttcctga ttgagaagcc tagattcttt atttagtttt 180

```

tccagttcac gatgacagtc taccaatttc ctttctttct cccttactgt tctctggtga 240
ttgtgatata agtcatttag ttgctcatca gtcccttgaa aaacctgtgt aacacccaaa 300
taaaaagctt taatgtacaa acataagaaa atatgatcac tttgaggtat caaatataaa 360
ccaaacctta ttcaatatcc ttcattttta catatacata gaagtaacaa gatctgtatt 420
tgtttttttc caatgtggat ggcaaaatgg attcaaataa agttcatt 468

```

<210> 657
 <211> 468
 <212> DNA
 <213> Homo sapiens

```

<400> 657
atacatagaa gtaacaagat ctgtatttgt ttttttccaa tgtggatggc aaaatggatt 60
caaataaagt tcattacaat aatcccaaaa ttttgaagca gaacaaaatt ctaccaccac 120
aaaccttttc cattttctct tccagttcac tattatcttt ctccatttgc ttctttcggc 180
tatccaaggc ttttaatttc ttgtcaagtt tcattatttt agagagatta tgttcaattt 240
cttttagacg attctgaaaa taaagaaaca ttacataaat aaaactcact atagcttaca 300
tggtgatag atgaagacaa gtaagatact ccagggtccag gcatttagta aaagtgatct 360
catttaaggc taacaataac actgtagagc aggcctagag aaactgaagt tcagagacat 420
taagtaactt ggcccaagtc ctcacagcta gtagagagaa gcaggaat 468

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<210> 658
 <211> 395
 <212> DNA
 <213> Homo sapiens

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<400> 658
gtcacttag cctctaaaa atagtcaata ccaacttaat accttatagt ctatgactta 60
tgagtgaag gtaggctatt ttaagtacca gacagtataa ttagaacaaa aagaaaaatc 120
atactttgtc tttggtcagc atctccattt gggtagctgt tgttgatga tggtttaact 180
gtccatctc ctgggtcaagt ttacgcaggg tctgtcttaa gtctgctttt tcattttgga 240
gacttattac ttccattttt aagggttcta cattgctgtt tttctcagcc ttgcttaact 300
cacgttccta gtcaataatt catacaaatg caaagggtgt atatatattt tgcaagaatt 360
aaaataatga caaagtgtat tagaaattaa ctact 395

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<210> 659
 <211> 395
 <212> DNA
 <213> Homo sapiens

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<400> 659
tgaaatccaa gccattaggc tccataacca gggtttttaa tccccatcc ttaacagtta 60
cctgtgaatg aaaattcaaa ggtgtcaaa gttatcctgata atataaagta gacaacttac 120
ctcgtgtttt tgatgatttt tcaatttcct ctttaagcct gtctaaatca ctttcaaaat 180
cctggctacc acaaacatca aacagcttgt cttcgtaact ggacaactgc tcttcctttc 240
tttttagttc attatttata tgatttttat tctgtcaga tgaagctagt tcttgcttaa 300
aataagagca aatatggatt ttcattttta aataggagaa attagtttga aaatttgagt 360
aggcaaaaac aagacaaatt ctgccaacaa atcat 395

```

<210> 660
 <211> 462
 <212> DNA
 <213> Homo sapiens

```

<400> 660
ggggaattct aaacacaacc tgtacctgaa tactagctac tatttttaac tctcacactt 60
caaattcaag ccaccatgga acaagtttta ttctgcctta aactacaata aacttacctg 120
gaacctctcc ataattgtaa catctgtcag gcatactttg gcactttctt cttcaggcat 180
tattgtaccc aagagtgttt cttgttcttc tatgtcgttc tttaggcgct gtatgtctct 240

```

```

attgacattc tgcagtttgt ttcttaattc tgggtatttcc ttctccttca aatcaattat 300
gctttgccta aatagaaaaac acaattaaaa ataaagtatc tgatgtttct cacagttaga 360
ctgaggttat gtatttttag gaagaatacc acagaagtga cattgtgttc ttttcagggt 420
atcatatcag tggatatgga atcatgatat caatatgtct ta 462

```

```

<210> 661
<211> 467
<212> DNA
<213> Homo sapiens

```

```

<400> 661
cttatcatag aagtgatata agacagggca taccagctca gagtccttac tgagtaacta 60
ccatctgccc aggcatgaga tgggtacctt ttacaatgtg ctgctacatg tacagtgaag 120
gtaaatccca ttcttacctc atgggcacaa gtcccagcat ttcatcacgc cgcttttcct 180
tttttttttag ctctgattct gttgacttga gtttatctgg agcaagtcgc agtttagact 240
gcaaactcact gatgacttct tgtaactcag cctctgtctg aaaaactctc tgacaaacgg 300
ggcaacatga ctgggttttcg tctgttagct gagtaatgaa ctgggagtaa actgctgtgg 360
ctccagccag catggctatt ttaagaaaat aaattatata accaatgaga aaaaaacata 420
aaatacagta ttctgaatac ggttgtatct ttttctataa atatatg 467

```

```

<210> 662
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<400> 662
tatgatcgca gacaagtccc tttctcacct ataggaattg attaattagt ctcatttctt 60
aacttctatt gtagatcaag cagcaaaaata atttacatca aatccttggt ctaacaagaa 120
tttctaattgt caaaattata ccatgaatct gaaaatacta tttatcttat gctatttaaat 180
ttcatgtgaa ataagtgtcc gacgtggtgc tatgaacata agtttaatac agatatttga 240
taagtaaata tataaatgaa atcttacttt atcctgtgct attttggtgc ttgtattttt 300
tttggttgatt aattcttctt tttcttgctg gaacttttcc aatgttggtt ccaaagggct 360
tacctgctct ttagcatcct aaaaatataa aaaagataaa gtattatata atattccatt 420
atcttacttt aggggtcaga cttcacagtc ttaataaaaag cactttctat gtgccaggct 480
ctaaaagtca actcatttgc tcctttcaat gaccctatga ggacagtacc atcattttca 540
gtcctata 548

```

```

<210> 663
<211> 626
<212> DNA
<213> Homo sapiens

```

```

<400> 663
gtaggcggat caccttagtt caggagtttg aaaccagctt gtccaatggc gaaaaccgct 60
ctctactaaa agaacaaaaa ttagccaggc atgggtggtgc acgcctgtaa tcccagctac 120
tccagaggct gaggcaagag aatcacttga acccaggaga tggaggttgc agtgagccga 180
gatcgtgcta ctgcactcca gcctgggtga cagaacgaga ctgtctcaaa aaataaaaaat 240
aaaaataaat aattaaaata attttacaaa aaacatgtat ggatattctt acctttatct 300
ctctgtacaa agactgaact tcagtggata attccacagt ctgctcctcc agttgctgac 360
gacgttgcaa attagtggat atctgaagtt tctcagattt tagctcattt gttgtacttt 420
ttagatgttg aatctgttcc tgctggtcct gtataagctt acgattcaat tcaatcttac 480
tagaaactac acaaaaaacat attatcacag taattaatgt aagggcatag aaaatactat 540
ttgtatcatt cttcccattt ttatcggtct atggaatcca caaatgctat ttctgtgggc 600
cccaccact gcaacaaaaa tacaat 626

```

```

<210> 664
<211> 388
<212> DNA
<213> Homo sapiens

```

<400> 664

```

gcaaagagct tcccaccatt caggtgtagc cttgggtgct tccactgcac tgatgtttgt 60
ttctctcttt cagttacttg ggtgagttgg ctccccaggc ttttgagata cctgcctttt 120
gtccagcact gcctcgtcct cgcataatcca aggctgtgtc tcccttcagc atcaccactc 180
ggtagttata attccgcctt ttatcagaag ctgatacatt ttcctcggca tcagaccgta 240
tttctatgta ttcaatatct gacacaggaa gaagaatatt ttagaggaac ctatgctctg 300
tagccttttg tcaatttaca acatatcaag taagcctagg aacaacagat gaggctgaca 360
ttaccagagg aaaacaatgg ctggtgtg                                     388

```

<210> 665

<211> 551

<212> DNA

<213> Homo sapiens

<400> 665

```

tgccaagata agaattctta gaaaatctca aagacatgct tagaaagggg tccagggagg 60
taatgctggc atgatgagag gtcataaggg gaagagctgc ggagagggct ttggaaagag 120
catttgtgat acaccatggg actcaccttg tccacgatag gtacttcgcc acaggtcacg 180
tataatttta ttgatttctt ccattttcat actgtgaaat ttcattattg ctctggaaaa 240
ggaagtcatt ggtacttcat atatataaaa aataattatg tgtaatagta atattaaaaat 300
acataaaaata tataatatat aaaaaataga aatataaata acttcctcaa tattttcaat 360
ggtaaaagta gaatatagta agagctacaa aaataaacag cagcaaaaact ttgctgcttg 420
gctaatactg aaaattggca ggcttatttc tagtgctcca ggggtaccct tctccatatt 480
cactctctag gatacaacaa atactccttt acgtaaatac tttaaatactg tgaaaacttc 540
aggaaacata a                                     551

```

<210> 666

<211> 428

<212> DNA

<213> Homo sapiens

<400> 666

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gatgactaaa gtatgttagt taatattaac tgcaataaga aaatccccag tctaatactt 60
actggtcaag agtccttataa taaatatcca gatccttggt cacaagttct gttgtcctca 120
taacaatcat catttctcta tacttttctt cagcatcccg aaattgtggg tctcgaagtt 180
ctttcttaaa atgaataatt tcttcttcat aacctttctg tcgccctaatt gccaaattat 240
gatttctttt tatattgtct atgttctctt ccaacttctg atgttcactg taaaaaagaa 300
aaatgacaaa tgaggaccat ttttttagctt ttaacaacct gaagtggaaa agtcatagat 360
ttcttttagat aggttaagta tcatttctct tagcaatcag tatattataa cagagtctct 420
ccttgctt                                     428

```

<210> 667

<211> 395

<212> DNA

<213> Homo sapiens

<400> 667

```

acactgttca ccttctagta actctcaaag gataccaggc tgaggctaaa attcttttaa 60
aacagggtatt taatattctt cacattccag taataaagac gtttatttaa actgaagatt 120
atttttaaag catacctttt catttgcaaa acctgcattt gaccatttct cttcaaattg 180
tgttttcttt cttcttcaac ttcttttagt tcctcatttc tttttcttaa agtaaggtta 240
tcttgtagcc acctttcttg tatctaaagg taaacattaa attagttaac aaaaataacc 300
aagttactaa catgaaatct gtaacaggca actggtgaca gcaagtgcca tttctgtctt 360
acttagaatc atgtgaaatt caacagaggg agaatt                                     395

```

<210> 668

<211> 604

<212> DNA

<213> Homo sapiens

<400> 668

```

gtgtgagcca ccacgcttgg cctctttcct ttttgcattt ctattcaatg gatcttctat 60
tgaaaaataaa actatagaaa agaatgtcat aggtgtaagt gatatcataa gcaaaacaga 120
cctaccttct gtgtatcaat atcttgtctc atgagttctca tatcttcatt tatcttttct 180
ttgtgtttct cgcattcact tagttgagct attactttat taagttcagt ttctttttgc 240
tacaaaaaag aaaattcttt aagcacatga ataaaaatac aatcaaataa ataattttaa 300
gttttaaat accttcttat agtcgtcttt cccatcttga atataattct caatgtcttt 360
catatagcca tgaatatttt taaccttctc tttaatatca ttcagctgta gaaaaatatt 420
cattaaattt acactgggtg tacttaaggg cacataacag gagagcacag taaaacactg 480
gctgggaagt tatgaacatt gggttccagt ttccaccact actgaatttt atgatcgag 540
acaagtcctt ttctcaccta taggaattga ttaattagtc tcatttctta acttctattg 600
taga 604

```

<210> 669

<211> 376

<212> DNA

<213> Homo sapiens

<400> 669

```

tatcacaacc tgtcccaaaa tgtgagatac ttactcaacc agagcatgtg caagagatac 60
ttactcaacc agagcatgtg caagagattc aatgttttct cgggtcaagat ttgttggtgg 120
ctcatccaag gcaatgatgc cacagttgag gcagaacggt tcagccaggg ccaggcgaat 180
gatgagtgg gctaatacct ggaaaaaagc ccctatgtga gaagcccagc acagaccttc 240
tcatctcatg gcaggcaagc agtcctgaca tgatcttttc agcagggaaa agtgggaaac 300
gtcacagggt cactgttagg taaagcactg ccctctggga gagcccagca ctgggaccag 360
attcttatgt cctcca 376

```

<210> 670

<211> 657

<212> DNA

<213> Homo sapiens

<400> 670

```

agataacatt aagaaaatat tatttgcaaa actgtgagtt tgctaaagct aggagatggt 60
gaattttatc aaatatagct gctagaattt tttcagaatt tttttcacct tcggttttat 120
tatagtgatg gatattatcaa cagatttttc attttctgaa atcttgcatt cttgggataa 180
aaatatcttg gttattgtgg atgtttaata tatgactaga attgatttgc tcttaattct 240
actcgtgatt acatttagga cccccccca cccaccacc acccccagga tactctgtct 300
taaggctcct agctttaatc acatctgcaa agtttctctt gctgtataaa gtaacagtca 360
cgggttctag aaatcaggac ctgtctatct ttggggggcca accatttaac ctagcacaga 420
tagatgcctt aggaccttag ggcttaattc tcttctggac ccagttgaga aaagctgtct 480
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<210> 671

<211> 553

<212> DNA

<213> Homo sapiens

<400> 671

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gaagagcaaa tggagaggcc tgttcttcca ggtctgggtg gaccctacag ggagcaggcc 180
ttgactctgt gagtgagcct ggcttgctt ccacatggca atgcccactt agagaggaat 240
caggattgat ggtgaagcca gtatgctaca caggatagac gcagaggagt gttacaggct 300
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agtggagaat ttctctctct tagagagagc tctgagctct gatgaccatc tgggaaggat 420
atgtaggaga agaagggtgt ggggtactgac ttagatgatt acttaagggt cctgtcaaac 480

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tttgagaccc cattcaacta cttcaaattt tagttgggga aaccaagtcc cagagagaga 540
ggtcactgga ttt 553

<210> 672
<211> 695
<212> DNA
<213> Homo sapiens

<400> 672
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cttaaaactt gccactgttt agtaagttag ccccataga atgtgaccct gtctgcagag 120
tctcatttac cccctctttt ctcattgtca tttgttggct ttattagggc tgtcttacag 180
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tttttttcat taaattttgc atttattttg agtttttgtg gtgtcttttt tgggcagtag 660
cttttctgat ttaacgtttc ctgagcccat taatc 695

<210> 673
<211> 628
<212> DNA
<213> Homo sapiens

<400> 673
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tgtaaaaatga ctaaatgaaa ggaagggtag ttttaatgtt gaagcaccgt gctgggcact 480
ggagctaccc agaggaatgc acaacgctcc cctcaaggag ctcacagtct agcctactcc 540
ctggctggaa gcctcaggaa gacgtgctaa tttattgtgg aattggtagt ttgcttttca 600
tgccctgtc ttccttctca tgaccatt 628

<210> 674
<211> 552
<212> DNA
<213> Homo sapiens

<400> 674
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gtccaccgag gcacggccag gaagaggcag cctttacctg tgaggggctc catgctccag 300
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atataaaatt aggtacaggg tcttggaagg ggccctgaag attaagcttc cttagcgtca 480
caataagtcc gtatctgggt gcaattgaaa actgatgctt cagtgagggt atctaaaaag 540
gtaaactggc at 552

<210> 675
<211> 534

<212> DNA
 <213> Homo sapiens

<400> 675
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 catatccagg gcaaatgtgg gctgccaatg gctcatctct agggtaattt tatgtctgaa 120
 agtgtatgca gttgggtcag agcatgacct ttaagatagc ctctctcagc taacataattt 180
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 ctgcggtcg caccacaggc atactgaaag gccatactcg tggctggctg cctgcggggc 360
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 tccacaggtc cctccagcaa gcctcactgc acctctcccc tgctgtttgt gtttggaatt 480
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<210> 676
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 676
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 ggacttttaga ctttcatgtg ttaagttgct tgagttacac cttgtgaccc ttctcccata 180
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 ctcccaccga ccctggcccc aggtgcccc gggcctggcg ggccacccct ctctatgcaa 300
 acacgtaaaa gccatgaatg ctggaatcca aaactgacga ggtttatttt tttcagagcc 360
 agtggctggg cttccattta cagtgtcact attccctgac ggagctgtta tgtgccgctc 420
 tagcgaaggc cccagccggg atgctaggcc taattgttca gcgtggagat ggcaactcac 480
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<210> 677
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 677
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 atgctgcaaa attcaccag ttccctcat ttttaatttt ctaacctaca gcttaatttt 120
 aataacttta aaacacttct aaatatattt tttggcacca gcgtcaagac aaataatatc 180
 ctctcccat attttcataa gtaacacaga ttccctgatt tttaaaaact aaaaatacag 240
 ctaaaccctt cttatgtata aagtatgcct atcatataca gggagagggt ggtaataaac 300
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 cccagagggt ctacctgtag acagggacca actccatgtg tgtgtgttaa gtgtttgact 480
 ccaattaaga ctccaagca aatcctgcat attccaaatg taaagagtac tc 532

<210> 678
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 678
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 gagttcctaa gtgagctgca gaggaaggag gaagagatga ggcagatgtt tgtcaacaaa 180
 gtgaaggaga cagagctgga gctgaaggag aaggaaaggg aggtatgtgc caggctgggg 240
 gctgggatgg ggaagctgag ggaggggaagg cctggctgag ggtagagggt ggggtgcctt 300
 cctggcccag gctcaag 317

<210> 679
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 679
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 gccagctcca tgagaagttt gagcacctga agcgggtcca ccaggaggag aagcgcaagg 180
 tggaggaaaa gcgccgggaa ctggaggagg agaccaacgc cttcaatcgc cggaaggctg 240
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<210> 680
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 680
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 cctgactctg gagtgtgccc gcctgcatgc ctgccctgata cccaccggc cctctgcttt 120
 cagtggagaa tgagaatcac tgcgacttcg tgaagctgcg ggagatgttg atccgggtga 180
 acatggaaga cctccgcgag cagaccaca gccggcacta cgagctctac cggcgctgca 240
 agttggagga gatgggcttt caggacagcg atggtgacag ccagcccttc aggtgacagc 300
 ctgagccaga gtgagcctgt cttcacagct gtggccagac acaccacctt ggcattctgtt 360
 ccctgagggga ccccatatcc tcttaccctt cgtgcc 396

<210> 681
 <211> 1218
 <212> DNA
 <213> Homo sapiens

<400> 681
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 aaggtttgcc atagatccag ctaccctaac cactgctctg ctctatttct ttagataaac 120
 ttttaatacag catgggaaac agcaacatag agagaggagc aaagtgaata cattgtcagg 180
 aagggtccagc gggaagtcag tccaccttgg ggacaagcta cagtttgcct gggagagtga 240
 ggaggggaaa gccaaatcag ggtgacaagg tcaaacagca gagagggggc tcctcttaag 300
 ccagggtgtgc taagtcgaac gtggtcttta ggcacctcca gtcagcaca gtttctgagt 360
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 gaccaacctg ggatgaggcc agtggggggg agggggcaaa ccttgccaca tcccagaaa 480
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 cttttgtata gattgtcagt gagaaggata cagaacctcc tgaggcctcc gacctggcg 600
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 gagccccccg acactgcc 1218

<210> 682
 <211> 422

<212> DNA

<213> Homo sapiens

<400> 682

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ggggcatcgg gctccctctg gggaaacttg gcctggagtt ggtgctcggg tgtactcagg 60
gtgtgtctga gatttgttga gaattcagac atcgggtggg gctgcttcac tgttttaact 120
cagatttagc gccacccccg cagcttgacc tttcttcccc agtgggctca tgtcttgctt 180
tatttctctc ttggcagaat gcagagccag agccccggag cctctccctg ggcgggccatg 240
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tcaacatcct ctgtgtgggt gagtgtcagg gcctggcctc agacagaggg tgggtgagaa 360
cctcctggga gagggggtgc ttctggcccc ctgttgagct gcaagggggc ttcccaggca 420
ga

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422

<210> 683

<211> 508

<212> DNA

<213> Homo sapiens

<400> 683

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agttcctggg gaatgggggt gatgagggat ggggtgggag gcctgccccct ttctcttattc 60
cagggggccat ggatgcctga gccctgcctg gcctagccac cagtcaagga cagcccattt 120
ccagcctatg acacccactt cttccccctcc tgtcctcact gccagggga gaccggcatt 180
ggcaaatcca cactgatgaa cacactcttc aacacgacct tcgagactga ggaagccagt 240
caccatgagg catgcgtgag cctgcggccc cagacctatg acctccagga gagcaacgtg 300
cagctcaagc tgaccattgt ggatgccgtg ggctttgggg atcagatcaa taaggatgag 360
aggcaagagg cgggaagggc ggccccaccc agcctcctcc caccacacct acattggccc 420
ctataacagt agcccagccc tcacactgca gggggccagg gagggcctct tggggaatat 480
ctgaggctct gtggtcacca acagacca

```

508

<210> 684

<211> 451

<212> DNA

<213> Homo sapiens

<400> 684

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atctcaggca gaagctgttc ccagaaagaa aaggccaggg ggcagcctgg cttggccccg 60
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agctgtctgt agttacaggc ccatagttga ctacatcgat gcgcagtttg aaaattatct 180
gcaggaggag ctgaagatcc gccgctcgct cttecgactac catgacacaa ggatccacgt 240
ttgcctctac ttcattcacgc ccacagggca ctccctgaag tctctagatc tagtgaccat 300
gaagaaacta gacagcaagg tatccctgtc cccacctgct gtcacaggct ccatagtctt 360
ctgctgcgat gcgatgtggt ggetgcctca tgctgaaca ccatggctct cagggaacctg 420
gtcggggggt tgtgggtggc cccccattgg c

```

451

<210> 685

<211> 468

<212> DNA

<213> Homo sapiens

<400> 685

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tctctctggc ctcttcccc ctgcccaggg atatggcctg ggcattgtcta tccatatacct 60
gggcatggca tgggaaccac cgctcaaaaag agccaaccag cctgctgtcc cctccccctga 120
tcctggcagg tgaacattat tccatcattc gccaaggctg acaccatctc caagagcgag 180
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cagttcccca cggatgatga ggctgttgca gagattaacg cagtcattgaa tgtgagcggt 300
gggtgagggc ctcaggggcc tggggccaga gggcgaggag ccggcacaga tctgacacag 360
ccccaggaga ctcttggtcc ccaggattcc agccttagct tctccaggac agaagggtgg 420
gcatctggag ctggccagtc ctacatctgt gggcagggga caggaaga

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468

<210> 686
 <211> 399
 <212> DNA
 <213> Homo sapiens

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agtctgtgtc agctcagggc ttacgcatac ccggggccct ttccaggcac atctgccctt 180
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tgagttccct ggccctgccct gctgcctgta gtacccctgt ctgtttcctc ctcatgccca 360
cctgcgtgcc taccctgact ctggagtgtg cccgcctgc 399
```

<210> 687
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 687
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ccaccgccat gttcctgacc aggggtgggt agagctcagc agtgaagaca tacagcatgg 120
agaaagcaga ggtgatccca aattttccca gcatgaccag accaatggat aagaagtaat 180
aatctggaag agagacccgg tataaacaat ggtgctttta gaaatgatac tttcttatat 240
cagttatatt tattgtcctt tttgcttcag tgggagtact tttattaaca taaatatatt 300
cccaaaatag cattttctct tcaaagtgtc taatatttgg gcatggacaa agatggagct 360
catgtgaggg gtggctttgt actttgttct actgttattc taggtcatta atgcattcag 420
tgacctttgt ccacttgtct tttgtttgtt aaaacagttt catgggtaag ctattagcat 480
gttaatatag ttaagtttta tcttcaaaga ggaggaccaa tcctttctat cctctttctt 540
attattaaga aatatgtatt tctattacta tcaataattt agtgacattt taatattatg 600
agaacgtcag acacaagggg aaaagggaag catatatcct tttgtgtgct atttaactac 660
ttaagattc agaccagaaa accactgaat gtatcctgga 700
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<210> 688
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 688
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aaaagggaag catatatcct tttgtgtgct atttaactac ttaaagattc agaccagaaa 180
accactgaat gtatcctgga accgacatgt cctactcact gtaatacttg aatatacacc 240
cagggaatgt gtttgagagt agccagaaat taggaatcat gactatgagt taaagggaga 300
tgtaggtgta gtctttctgt gaaggggatg actgggagag ttactcttcc tctttggtgc 360
tttctgcttc tctgagactg tctcttctgt ttggggtagt tgttttgaac acaggaaaca 420
acatacgtag tgagcaatca cctgtctaata tgacttatga atggcttatg atgtaaaggc 480
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aagctgttca tcttggttaa cttnttacc acaggtacca gttgaatgaa gagaagcaca 600
cctcctcccc agaacagtac tgcagctatg atataacgcc tgggcagggg tcgcaatagc 660
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<210> 689
 <211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 689
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tgcagctatg atataacgcc tgggcagggt tcgcaatagc agccaggctg taatgtaagc 180
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agcatccaga gacagagcaa agtaaccac tgaggtcagc atcctgaaag aagaaggtaa 300
aaatgacaaa gggatgggtg gaatcgccct aaaattttat gatgggtcaag aaattctcta 360
tatcttgctg tcttatnnat agccactacc ctcatgggt acttaaattt gaataaatta 420
aaattaaata agattacaaa ttcagttcct tagttacact agccacactt caagtgtcta 480
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ttctcagcta gttgatttca agttttccta tttcctgaat agtttgtacc tcctcaatct 660
cttagagcta ttatatgaag aaaaaatatt agtcacatca              700
```

<210> 690
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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agttttccta tttcctgaat agtttgtacc tcctcaatct cttagagcta ttatatgaag 180
aaaaaatatt agtcacatca gtgaacataa aatccagatt tcattcttta acaaaaaaga 240
gatacaaggg tcatactgtg ggattcactt agaataaatt ctgattnnnt ttagggaaaa 300
gagtgaatgt cccctaattc ttcaaagtat nacagnctgc agtntgtata ttnggtcatt 360
atagttaact tccatgtaga agcttctctg tgggccatgc gtggtgnctc atgcctgaaa 420
tcccagcact ttgggagacc gaggcaggca aatcacctga ggtcaggagt ttgagaccag 480
cctggccaac atggtgaaac cccgtctcta cttaaaagac aaaaattagc caggcatggg 540
ggtaggcatgt gcctataatc ccagctactt gggaggctga gacaggagaa ttgcttgaac 600
ccaggaggcg aagggttcag tgagctgaga tcgcaccatt gcactccagg ctgggtgaca 660
gagcgaaact ctatctcaaa aaaataaaaa cataaataaa              700
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<210> 691
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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ccagctactt gggaggctga gacaggagaa ttgcttgaac ccaggaggcg aagggttcag 120
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```

tgagctgaga tcgcaccatt gcactccagg ctgggtgaca gagcgaaact ctatctcaaa 180
aaaaataaaa cataaataaa aaaaagaagc ttctctgtgg aaaaataact atgtaactga 240
gtacccccat ttttctaaga gatagtttat ttctctctc tcttcttttc tcttctctcc 300
tttctgcac tttctactta gctctttaga agtgcaatta tagcctttta acctcctctt 360
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aactctcacc gccagattt cctcaagcga tatcagtcaa tttccaactc aaagtatgcc 480
tgctagagtt tttggccacc tatacaacct gtttctgccc atgaaggcac cacntcaact 540
gccagtaga taaggcagca agctagccnt ctgatccctc acctgctcgc gtcctcccct 600
gcctttttaga agtgccctgct ttccgcttca aaaagaggag cgggtggtacc cttcaggcag 660
gaagccgata cttttctccc taagctagct ttggaataaa 700

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<210> 692
<211> 700
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 692
tatacaacct gtttctgccc atgaaggcac cacntcaact gccagtaga taaggcagca 60
agctagccnt ctgatccctc acctgctcgc gtcctcccct gcctttttaga agtgccctgct 120
ttccgcttca aaaagaggag cgggtggtacc cttcaggcag gaagccgata cttttctccc 180
taagctagct ttggaataaa aagtcacttt cttacatca gactttgtct ttgttaattg 240
gacgctgcaa gctgtgagtg actgaacctg agtttttgtt acaactgcac tatgcagaca 300
cccctgtgta gaaatttgct tattattaac atgactgaga agcagaggat atctgaaaaa 360
tgacttcagg aacactagtg gatcttttta cacatactag acccaaatta gataatacaa 420
ggactaattc ataaacacaa caaataagta tgctcaaggg atcttagtga ttttcccatt 480
tagtaaatagg agtagtttag atagaactag tgactaattt tttattagct tagtagcacc 540
actacccaag aacatttgca tcagggatat aggctgaaat gtaagaacta agaagcccat 600
gtacctagga cacacttgct taattcagac gcataagctc tgtcattgat ctcttctaata 660
tgccaagtag gatggccctt aaaaataaac ttagattagc 700

```

```

<210> 693
<211> 700
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 693
atagaactag tgactaattt tttattagct tagtagcacc actacccaag aacatttgca 60
tcagggatat aggctgaaat gtaagaacta agaagcccat gtacctagga cacacttgct 120
taattcagac gcataagctc tgtcattgat ctcttctaata tgccaagtag gatggccctt 180
aaaaataaac ttagattagc tgcagcctaa atctaccagt tctgacgatc atcgtgtgtg 240
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg ctgccatcat agagtaggaa ttttcttttt 300
tccttttttc ttggcagata aattattaaa tctaattctat aaagccaatt cagtatttct 360
gcgccgtgaaa gccacttggt agtttgctat tggcacgtgt aaaaagctga tcaaggctcc 420
aatccaggca atggggatct aggttattct agcctcagtg ttcaattgcc aggtcagctt 480
cagggaagcag gagctgaatt agcatntctg cctcaggcaa cacggacatc attagtctta 540
atctcataat ttttgggtggg gaggggaacca ttacccaggg acatcaatga tctcaatccc 600
ataacttttag gagggggaag ggaatgcttt ccctttgggt cccagtactg cagacttaaa 660
tactgtaccc tgtgactttt ttttttttag atggagtctt 700

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<210> 694
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 694
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 gagggaaacca ttacccagggg acatcaatga tctcaatccc ataacttttag gagggggaag 120
 ggaatgcttt ccctttgggt ccagtgactg cagacttaaa tactgtaccc tgtgactttt 180
 ttttttttag atggagtctt gctctgctgc ccaggctgga gtacagtagt gcgatcaagg 240
 ctactggaa cctccacctc ctgggttcaa gtgattctcc tgccctcagcc tcccaagtag 300
 ctgggattac aggtatgtgc caccatgacc caggtaattt ttgtattttt agtagagacg 360
 gggtttcacc atgttggcta gatctgtctc gaactcctga cctcagggtga tctgcccacc 420
 ttggcctccc aaagtgtctg aattacaggc gtaagccatt gcgccagtg acatttttca 480
 atatctagtc ccatgaactg aatagaggca tttcaaaata atttagaatt ttataatctt 540
 aatttttctc caggaaaacc cagtcgttgt cataatgttc ctctgagtta agaaaatcag 600
 ttgcatactt atgtgctgga tatctgcatt tccaggtcac ttattactta ccatagcagc 660
 aaagacataa tggtcattat ggcaatatcc cgagtcctga 700

<210> 695
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 695
 aatagaggca tttcaaaata atttagaatt ttataatctt aatttttctc caggaaaacc 60
 cagtcgttgt cataatgttc ctctgagtta agaaaatcag ttgcatactt atgtgctgga 120
 tatctgcatt tccaggtcac ttattactta ccatagcagc aaagacataa tggtcattat 180
 ggcaatatcc cgagtcctga acaggctccag aatgaaagct ttctgctgct tcaggggatt 240
 tagctcctgt aaccaaata atgcaaataa ccatgagatt aagaggtagt aaggaagtat 300
 ctttggctat gatgcatggg gaaaacttat gcatgcaact cccacttcac cttgactatg 360
 cttagaagtc tggtgattgg aggcaatagg gcatctacat atatgacact tactctgaca 420
 ctttaaaatg tttgtagtcc attttacaca gaagcctttt aaatatataa ccccccttc 480
 cctgtctcgt tagacaaagc ctggttgcta acatagcctt tctctgactg acagtcagag 540
 aatggatgtc atttaccaca ctgatctgtg atcctcagga ctgcctattg aagggtaggg 600
 ccatgtagtc ccttccttga ggccacgtct gctttttaca cttctctgtt tatttgttt 660
 ttttttttag atggagtcta gctctgtggc ccaggctgga 700

<210> 696
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 696
 ctggttgcta acatagcctt tctctgactg acagtcagag aatggatgtc atttaccaca 60
 ctgatctgtg atcctcagga ctgcctattg aagggtaggg ccatgtagtc ccttccttga 120
 ggccacgtct gctttttaca cttctctgtt tatttgttt ttttttttag atggagtcta 180
 gctctgtggc ccaggctgga gtgcagtggg gtgatctcag ctactgcaa cctccacctc 240
 ccaggttcaa gcgattctcc tgccctcag agctgggatt acaggcgagc 300
 accaccgat ctggctaatt tttgcatttt ttgtagagac tgggtttcac catgttggcc 360
 aggttggctc caaactcctg gcctcaagca gtctgcccac tttggcctcc caaagtgtc 420
 ggattacca gccttgcttt ttacacttct cttgtttag tagcatttagca tcagaacaga 480
 cttcagttta ctggcgggcc ttgggcaagt aacgatcctc tctgaacttc agcttactgc 540
 tatataaaat gggatatatta attgggagtt gagagattaa atgagatcat atatatatag 600

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cttagcacag tgcttgaacc atggtaaatg tccagtaaat ttaaactatt attattatta 660
ctgtatcatt gaggaaaaga ggctagccat cagcggtcag 700

```

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<210> 697
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 697
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attgggagtt gagagattaa atgagatcat atatatatag cttagcacag tgcttgaacc 120
atggtaaatg tccagtaaat ttaaactatt attattatta ctgtatcatt gaggaaaaga 180
ggctagccat cagcggtcag tgacaaatcc ttactgctat caatggggtt atactctttt 240
actttttatt atattttatt tcttgtttgt tttttgagag ggagtttcan tcttgttgcc 300
caggctggag tacagtggcg cgatctcagc tcaactgcaac ntccgcctcc caggttcaag 360
caattcccct gcctcagcct cctgagtagc tgggattaca ggcacctgcc accacacctg 420
gctaattttt gtatttttag tagagatggg gtttcgccat attggccagg ctggtctcaa 480
actcctgact tcagggtgat catccacctc agcttcccaa agtgctggga ttacagggtg 540
gagccactgc gcccggccta ttcttttgct ttttaatttg tgatattaac ttgctatgag 600
ttatgaatca aggtaaccaa gctgattaga attgaaacta acataaaagt tattaggctc 660
tgagggtggg aatctctcag ggatgaagta ccaggacttt 700

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<210> 698
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 698
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ttcttttgct ttttaatttg tgatattaac ttgctatgag ttatgaatca aggtaaccaa 120
gctgattaga attgaaacta acataaaagt tattaggctc tgagggtggg aatctctcag 180
ggatgaagta ccaggacttt gtgactttgt ggcctacag tgcattgcga gtaagagact 240
gatggaggag tttttattat gaagaagtgg gagtgccagg cctgccttca cagcaggtcc 300
tctccaaatg tgagtgtcct tttttctagg aatgatcaga cacttacaca gctcacagcc 360
acattgcctt ttctctcttg cactatttgg attgtagagc ccagaaacat gccccagca 420
gaataaccct ggtattataa caaagcaaag ccactgcata aactagtggg aaccagacat 480
cttcttggag ggttccaagg gtggtgcaca cagacaggac ctgtggacca gtcctgtgct 540
aatacttggg ggttccacgg ggccttctt aaatgcagg tgcaggttc ctccctgggc 600
ttgcctactt cgactctttt aaacagaggc ctgagaatct gtattcttaa agcacttggg 660
tgattgtgat gagcagccag gattggaaac ctcagaacaa 700

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<210> 699
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 699
gtggtgcaca cagacaggac ctgtggacca gtctgtgct aatacttggg ggttccacgg 60
ggccttctt aaatgcagg tgcaggttc ctccctgggc ttgcctactt cgactctttt 120
aaacagaggc ctgagaatct gtattcttaa agcacttggg tgattgtgat gagcagccag 180
gattggaaac ctcagaacaa gaatatgctt gtatccagt gttgtccctg gcctgggtgg 240
agccaccaa atgtctttgg atcaggtacc agaagcagg tgaagggtg tcttctgaag 300
ccaaggatgc ttgagattgc tttctaagac aatactctac tctatatctt ttctatcca 360
agttaatgct actgcctgta acatgaagtg aaaaatcaca gttgttaaga gcatgtactt 420

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tggtgcctgg gagaactagg tcacaaatcc cagtttaaca tctgtgtgat cctgggcaag 480
ttacttaact tcgctgtgcc ttagtttctt tttttgaaaa aaaaaaaaag catgagcaat 540
gagcagaaca cagtgcctgg catttggttag gctcttcaat atcattctaa ataggggtgca 600
tttgctggca cagggctctg cagatcctcc taaagaggat cctacgggag gtgagcaggg 660
gagatgacca ggcctcagga aagcgcaagc cccctttccc 700

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<210> 700
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 700
ttagtttctt tttttgaaaa aaaaaaaaag catgagcaat gagcagaaca cagtgcctgg 60
catttggttag gctcttcaat atcattctaa ataggggtgca tttgctggca cagggctctg 120
cagatcctcc taaagaggat cctacgggag gtgagcaggg gagatgacca ggcctcagga 180
aagcgcaagc cccctttccc ttaatgggtt tgtccagttc aggctagatg tgcacatg 240
caggaagaaa gaaggcactg tcaggctgag aatgatggct cacatctgta atcctagcat 300
tatgggaggg tgaggttagga ggattgcttg agcccaggag tttgagacca gcctgggcaa 360
catagtgaac ccctgtctct acaaaaaaaa atacaaaatg ttagctgggt ttggtggcaa 420
gtgcctgtag tcccagcttg ggagggttag gtgggaggat tgcttgagcc cagaaggctg 480
aggtcgaggg tacattgagc tgtaattgta cactgcact ctagcctgag caaacagtg 540
agactcaaaa tttttttaa gtgtgtgtgt gtatatatat atatatatat atatatatat 600
acacatacac acatatatat acacatttat atatgcgtgt gtgtgtgtgt gtgtgtgtgt 660
gtgtgtatat atatatatat aaaggcactg ccagaacct 700

```

```

<210> 701
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 701
tgtaattgta ccactgcact cttagcctgag caaacagtg agactcaaaa tttttttaa 60
gtgtgtgtgt gtatatatat atatatatat atatatatat acacatacac acatatatat 120
acacatttat atatgcgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtatat atatatatat 180
aaaggcactg ccagaacctat gtgttttaac actgaactat attcttattt gtccataact 240
atatatctca tatctatttt atgattgctg tcatccacat aggtagatcc ctacaactag 300
actctaagtt tcacagatag gaatcaggc acctagctga taaataccga taaacacccc 360
agcacagccc tgaagggcag aagtgttaga cactcccaat gttgttgttg ttgttgttgt 420
tgttgtttta tccattttaa ttgactgaga cttgaaatgg acttcttgat ttgaagggca 480
aaggattaag ggatgttttg tcctggcagc cctctgagag cttgagttca tggccagtct 540
aagcctctag ccatagccag agtatctgct tctggaaaag gtcctgaagg ccagggactg 600
gggaagccgt gggggtgagc agtggcatgc ccaccgtcct ctacagagtt ctgctttctg 660
tactacatgc tttggtgcag ggcattgata atgttactga 700

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<210> 702
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 702
tcctggcagc cctctgagag cttgagttca tggccagtct aagcctctag ccatagccag 60
agtatctgct tctggaaaag gtccctgaagg ccagggactg ggggaagccgt gggggtgagc 120
agtggcatgc ccaccgtcct ctacagagtt ctgctttctg tactacatgc tttggtgcag 180
ggcatgtata atgttactga agccaccaca gtctttttta ggtgtcctga gcagactcct 240
acctatctcc tagacaggaa tgccctgccc catcctctcc actcatttaa gtgagtcctg 300
ctgtcctccc tggcttgagc ctgcctccag ccatgggcca cctgctatc tttctctgta 360
ttgctggcac acagtgtctc tacttgata cttaccattt cctcccttat gccattcttt 420
atctttttat ctaatcctct tgccaatctt agttacattc tatgttcctt tagaatttgg 480
gctgtgtctt ttcttatttc ctctaggagc cagcacaggg catggcacac tgcatactct 540

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cacgaactgt	caggaggtgt	ggctgcttcc	acagaatata	agcttttccct	tgtggccacc	600
agctttcaag	ggtgaatcct	caagcctgtg	ctttcaggcc	ttaagggttct	agacatgaca	660
cagagtgaga	ctaaagacat	gcatagcttc	ctcagcagtc			700

<210> 703

<211> 700

<212> DNA

<213> Homo sapiens

<400> 703

ctctaggagc	cagcacaggg	catggcacac	tgcataatcct	cacgaactgt	caggaggtgt	60
ggctgcttcc	acagaatatc	agcttttccct	tgtggccacc	agctttcaag	ggtgaatcct	120
caagcctgtg	ctttcaggcc	ttaagggttct	agacatgaca	cagagtgaga	ctaaagacat	180
gcatagcttc	ctcagcagtc	tgtggtaaga	ttcagggtac	agtggagaac	ccagggtgga	240
ctagccctga	aacataatctt	tccacttaat	ctggacattt	aaaaatcatc	agtacatagc	300
tgtgtcagtg	gtttggagca	atgccaatag	aaagttgatg	ataaaacttg	aaaataaagc	360
aaactaatat	ttaatgaacg	cttgctatct	gctaagcagt	ttacatatat	tattgcattt	420
aattccttata	aacagccctt	taagggtgat	tttatccttag	aattttaatca	tgatttgtgt	480
cctaaggcct	agtgcataatg	ctggtacata	gtgggcactt	aacaaatatt	gaattaaagt	540
aaattccata	aaatcaagaa	tgcataagctg	atctcaagag	gaaacatctg	caaagtctta	600
cctccacaga	atcaaatatc	actgctggta	cagctatgtt	gttcattttt	gcagcttttt	660
ggatgatata	ttcagcctct	ctaaatcttc	tctgggatata			700

<210> 704

<211> 700

<212> DNA

<213> Homo sapiens

<400> 704

ctggtacata	gtgggcactt	aacaaatatt	gaattaaagt	aaattccata	aaatcaagaa	60
tgcataagctg	atctcaagag	gaaacatctg	caaagtctta	cctccacaga	atcaaatatc	120
actgctggta	cagctatgtt	gttcattttt	gcagcttttt	ggatgatata	ttcagcctct	180
ctaaatcttc	tctgggatata	cagccatcgg	ggagattcag	gaatgaacct	ataatttatt	240
tttaatatctt	aataattttt	cacaacagca	gggctggata	ctatttaaata	tgagtttccc	300
ccaaatagtt	ttaattttgt	aaaattctag	tttgtctttt	taaagggagt	ccacataaga	360
tttctatttg	agcataggaa	taaataaaac	caccttcaag	tttcaaactt	ctgatcaaat	420
tataagaccg	atcatcagtt	gtgcttgaga	ccaggaccag	accataaggg	gtgacattaa	480
ctatgggcat	gtttgagcca	gggctctgga	gaagttcatc	caaaacttat	aggtagtggt	540
gctcataaaa	gaaacatagc	tactagacta	taagttcccc	tagagaagag	actgtctttg	600
cagtggttcc	atcctaagga	gaattgctgg	tgtcccagct	ggtgatgttc	acagttttatt	660
gggaaaagga	tggccagggc	acctgtgttc	ttgatcgttt			700

<210> 705

<211> 700

<212> DNA

<213> Homo sapiens

<400> 705

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tactagacta	taagttcccc	tagagaagag	actgtctttg	cagtgggtcc	atcctaagga	120
gaattgctgg	tgtcccagct	ggtgatgttc	acagttttatt	gggaaaagga	tggccagggc	180
acctgtgttc	ttgatcgttt	ccttttagtca	aaagagaaag	tgagggcact	gacacccgcc	240
tgtgtggggc	ccccatggct	ttcaacagat	tcccagatca	gcgagtgcc	aaaccagctt	300
ttggggagatg	agccccaatg	ttgtcttttt	gttaatgtct	aaaaaagctt	attgttttaa	360
attacatagt	ctattcccat	ttatagctga	tgctcaaaca	cagttgcaaa	taatagggtc	420
tctattcttt	ctaaattttt	atcttctcaa	atcttttagc	cattctcctg	tcagctctca	480
ttttccttac	ctattgtcag	tacagatggg	ccctaactta	tgatgggttc	acttatgatt	540
tttctactat	aggagaaaaa	tgatatgcat	tgagtagaaa	ccttaactttg	agtgtctata	600
catacagcca	ttctgttgtt	cactttcagt	acagtattta	ataaattaca	tgaaatattc	660

aacacttaat tataaaatag gttttgtggt agaaaatattt

700

<210> 706

<211> 700

<212> DNA

<213> Homo sapiens

<400> 706

tacagatggt	ccctaactta	tgatgggttcg	acttatgatt	tttctactat	aggagaaaaa	60
tgatatgcat	tgagtagaaa	ccttactttg	agtgtctata	catacagcca	ttctgttggt	120
cactttcagt	acagtattta	ataaattaca	tgaaatattc	aacacttaat	tataaaatag	180
gttttgtggt	agaaaatattt	gcccattgtg	aggctaattg	aagtgttctg	agcatgttta	240
aggtaggtca	ggctgagcta	tgatatttgg	tagggatgca	gggcaggcaa	gctccagagt	300
ggggtttggc	ccatgagggt	tcttggcttt	gcccgagaaa	gaattcaagg	gcaaactgga	360
ggtggaagaa	aacagcttta	ttgaagaggg	aatgttacag	ctccgtgact	gctcctgcag	420
agcagggctg	ccccacaggc	agagagtagc	agctcaggac	agttttgcac	tcatatttat	480
aactactttt	aattacatgt	agatgaaagg	tcagtttatg	cagaaatttc	tagggaaagg	540
gtagtaattt	ttgggtcatt	gggtcattgc	catggaaagg	ggcaataaag	cctgagtggt	600
gtcatggcaa	cagtaaaactg	acatggcaca	cgggtgggcg	tgtcttatgg	aaagcgctct	660
ctgccctggc	tgtgttttag	ctggctctca	atttgggtcca			700

<210> 707

<211> 700

<212> DNA

<213> Homo sapiens

<400> 707

agatgaaagg	tcagtttatg	cagaaatttc	tagggaaagg	gtagtaattt	ttgggtcatt	60
gggtcattgc	catggaaagg	ggcaataaag	cctgagtggt	gtcatggcaa	cagtaaaactg	120
acatggcaca	cgggtgggcg	tgtcttatgg	aaagcgctct	ctgccctggc	tgtgttttag	180
ctggctctca	atttgggtcca	gtgtccaagc	cctgcctctg	gagtcgtgtc	tggcctccta	240
cctcagtagg	ttaggtgtat	tgacctagaa	tattctcaat	ttacaatggg	cttattggga	300
tgtaacccca	ttataagtca	aagagcatct	gtacttactt	agcctagaca	acaaattata	360
agtagcagac	acagagtcct	gtgtagttaa	ttggccccaa	acccacacta	ggaattagct	420
cagagcaaaa	caaattgacca	accagcaggt	ccccctctca	gcttaatagc	acatgagttg	480
aaaaatgagc	ctagtgtgca	tttttcagaa	tatgccttta	gtgggtccct	ataggaacta	540
caataatggt	aggtcactga	ctctcagtaa	ttagaactgt	gctgtccgat	agaaacttct	600
gaaatgttct	gtatctgtac	taagacagca	cccactaacc	acatgtagct	attgagctag	660
tgtgattgaa	gaaatgaaaa	ttcaatttta	tttactttta			700

<210> 708

<211> 700

<212> DNA

<213> Homo sapiens

<400> 708

tttttcagaa	tatgccttta	gtgggtccct	ataggaacta	caataatggt	aggtcactga	60
ctctcagtaa	ttagaactgt	gctgtccgat	agaaacttct	gaaatgttct	gtatctgtac	120
taagacagca	cccactaacc	acatgtagct	attgagctag	tgtgattgaa	gaaatgaaaa	180
ttcaatttta	tttactttta	attaatttta	acttaaatag	ctgcatgtgg	ctgggtggcta	240
ctatattagt	gcagaattag	agatcttact	acacagccac	gatatacctc	atggatgggg	300
ccagtatctt	tctccaacca	gattatgctt	agaaatatcc	tacctttttt	tctacagacc	360
actggectca	gattcttaat	gtttaatcag	ctagaaattg	catagctttc	ctcacattgc	420
atctatggcc	tgcttcccta	ccccatcccc	accgcctata	cacatactcc	attcacacct	480
gtggccactt	actgccaagc	cttttaaaagg	aaacttgagg	cataaaaaagt	cccccaaacc	540
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<210> 709
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 <212> DNA
 <213> Homo sapiens

<400> 709
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 gttcgttcct cgctgtgaca tatgggtccc aggcaaagat 700

<210> 710
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 710
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<210> 711
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 711
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 ctcttaggtc aaaatgacaa ctagagccag agaacatagt ttattaaaac cattcagctg 180
 aagaggcaga aaagaacctt tgaataatct tgtcatgtgt cttgagagaa ccttagtcac 240
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 atgatgataa ttactctcat tcagaaaatt gctctgctct tgtaagtctg ggatgctttc 360
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<210> 712
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 712
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cctgtcaacc tctatgactg cctaacagct gcagtaagat aaaggcctag acagcttccc 180
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aaccagtcag tgctggaaga tttgactttg atataatgaa atcaaacaaa gaagaattaa 360
tgagagagaa agagaatgag agagagacag aaccagaccc accaatggaa ggaatctcct 420
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taaaaagtaa ttttctcact cttcgagaca tagcagataa 700

<210> 713
<211> 700
<212> DNA
<213> Homo sapiens

<400> 713
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aaatccaaca ccaccagctc cacaaataac aagtagcaac agacaggagt ggctggtatc 420
aaggaagaga ttggaatcct gagaatgtgc tttttaggac aatggagact caaactccag 480
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gtgtgctgac ccgcagcaga gggcctgtct ggggacgagt cacactcacc accacagcgg 660
gacacacagc actcccggca ccgtcagcgc cagcagcagc 700

<210> 714
<211> 700
<212> DNA
<213> Homo sapiens

<400> 714
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gagccataga ttttttatt ttttttatt taatttatta ttattattat tttttttgag 600
acaaagtctc cctctgttgc ccgggtgca gtgcagtggc gtgatctcag ctcatgtcaa 660
cctctgcctc ccaagctcaa gtgaccttc cacttcagcc 700

<210> 715
<211> 700
<212> DNA
<213> Homo sapiens

<400> 715

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ccgggctgca gtgcagtggc gtgatctcag ctcatgtcaa cctctgcctc ccaagctcaa 180
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tgagccaccg cgcctggcca acttatttta aggccattcc atgtcataaa aatatcatgc 420
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gtcaaggtgt gtgtagcctt tccaacagtt ctgaactgta aataaacaga cattggccca 600
tcaggaagca gtggagagtt catcatttcc aagacctcag ggcacactta cccatgcctg 660
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<210> 716

<211> 700

<212> DNA

<213> Homo sapiens

<400> 716

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tcaggagaca agcagtggct cttctgaggg gccatgtggg gtcaaggtgt gtgtagcctt 60
tccaacagtt ctgaactgta aataaacaga cattggccca tcaggaagca gtggagagtt 120
catcatttcc aagacctcag ggcacactta cccatgcctg agccctgaga aatcagttgg 180
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cagagtctgc ccttggttca ctacacctgg ggcgagatg tgaccaatgg caatggctct 600
gccttttgtt ggggatctgc ccatgctata gagaagtggc ctggaagata caaacagat 660
aattcaaagg tcattcatgc ttgcctttta agagagattt

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<210> 717

<211> 700

<212> DNA

<213> Homo sapiens

<400> 717

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aaagctcctt ctcttgctac ggagctctgg gccctttcca cagagtctgc ccttggttca 60
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ttgcctttta agagagattt tctcagtcac gtttatatgc cctaggcaca ggctaaggga 240
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gcctcagtgg gtccctctca agaggccatt taaaaacctg gactgataga aacagccagt 420
actttgtgcc tcctgcatcc catgttggag acaattgccc taaccacca gagcattgct 480
cagcctataa acccatttcc aaggataggg cctgacttct ttgaggatca tgagtatgat 540
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ttggccgtga ttgtgatgtg gaaataaata gaaggtgctt tattcttaag cagagattca 660
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<210> 718

<211> 700

<212> DNA

<213> Homo sapiens

<400> 718

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aggttccagg ctaagtgttt acatatatta tctctttgac ctttcacacc agttatataa 600
aaactaatat tccaggccag gcacgggtggc ttatgcctgt aatcccagca ctagggaagc 660
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<210> 719
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 719
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gcacgggtggc ttatgcctgt aatcccagca ctagggaagc caaggcaggc agatcacctg 180
aggtcaggag tttgagacca gcctgaccaa tatgatgaaa cctgtctcta ctaagaatac 240
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ctccagactg ggcaacaaga gcgaaactcc atctcaaaca aaaacaaaaa ctaaaacaaa 420
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cttaaattcca tgcacataat aagtgggtgca ccaggattta agccttattt gctctatgga 540
tactggtcta ccttccaaga aaaaaattac tgggggcatg acttggcctt ataaagcagt 600
tcttcaactg agagtccagt agagacatga ggggagatgg gtaaggccat atcctgctgt 660
cattttttaca gtttttcttt tttttctttt tttttttttt 700

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<210> 720
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 720
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gcagtgactc ctgctgtgct gacgggggat ccctgtcctg gccccctatg ctctatctgc 660
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<210> 721
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 721
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tgccatgagc tttccatgtg gcagtgaac agatgacaca gcagtgactc ctgctgtgct 120
gacgggggat ccctgtcctg gccccctatg ctctatctgc ctcttctgcc tgctttgctt 180

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```

ctagggcaaaa gacctggttgg tcttggtctg gctgggcttc tgagttttctc ctgggagtga 240
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ctgagttgct actagagtga ctgtgataag ccgtctttca tggagatatt attatgaaga 660
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<210> 722

<211> 700

<212> DNA

<213> Homo sapiens

<400> 722

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caagactgta gtgcagctgc caggatatga ggcgagaccc aggaaccatg ggctaggagt 60
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ctgtgataag ccgtctttca tggagatatt attatgaaga ctgagatcat gtatgcaaag 180
tgccctaggag ggtgtctggc atgtggcagg tgctcagtaa tagttattct ttatcctgat 240
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tcttgctctt ccctgggtct ccccagttct tccctcttac ggtgcaatgc aaataaggta 600
tgccagcaaa tttctgcac atgtttacgt atttatatgc cagctcatcc cttggagatt 660
ttgaggcaac ttcaaattta aatacaataa aataatggta 700

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<210> 723

<211> 700

<212> DNA

<213> Homo sapiens

<400> 723

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aaccaggcag tgagctcctt gtgaatagac aggagtaagt tcttgctctt ccctgggtct 60
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atgtttacgt atttatatgc cagctcatcc cttggagatt ttgaggcaac ttcaaattta 180
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ggaaatccat taaaggcaga aagtaaatta gtggttgcca ggggcgaggg gaagagggaa 660
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<210> 724

<211> 700

<212> DNA

<213> Homo sapiens

<400> 724

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aagtaaatta gtggttgcca ggggcgaggg gaagagggaa atgactgcta attcgtatag 180
ggtttctttt cagggtgatg aggagttaga tagtggtgat ggctgtacaa ctttgtgaat 240
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tcatggactg aatgtttgtg tccctctatt attcatacat tgatcccttg acctgatagg 360
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taaaccaccc agcctatagg attttggttac ggcacctaata acaggcgaag acaaaattat 660
atttcaactg ttcaatttaa aaacagtaaa aaatatatat 700

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<210> 725
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 725
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attttggttac ggcacctaata acaggcgaag acaaaattat atttcaactg ttcaatttaa 180
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<210> 726
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 726
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gtctgcttta tgctgtgtag ggtagcactg ttctttcttt ctcttttcta gtctgctacg 240
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cagaccacac cctttggttt attttagtca aatacaacct ggaattcagc tattttatcc 480
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ctgtgtcccc caaccccagg tgctgactgg ggcgtccagc cattccagag caggctgggt 600
ttcagggaca cttaaacttt cagacctgag aaccaacac aacgagtctc ataccaggat 660
acaaaagcca gtaatttcct gcagagcaca atggagtaaa 700

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<210> 727
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 727
gctgcactgt agggaagcta gcagccacct tgcctttgta ctgtgtcccc caaccccagg 60
tgctgactgg ggcgtccagc cattccagag caggctgggt ttccagggaca cttaaacttt 120
cagacctgag aacccaacac aacgagtctc ataccaggat acaaaagcca gtaatttcct 180
gcagagcaca atggagtaaa actaccatga agaggctccc agagcaccct ataacaggcc 240
tggccccagg ctgatagcaa gccctgagag gcctggatcc cagctgatag cgaggctgct 300
gcacccaggg tcttacctac tgactggctg gcttgactga tcttccatgg cttactttc 360
cccttgcccc tcttaccctt cttcaccctg catgtgggac cacatgctgc atgggaactg 420

```

```

ggaggagagt agatgatagt gtcagagccg gcgggggagg gcagcccttt cctgtaggaa 480
gcctggggta tgctctccct gcctcaccgg ctcacacagg ggaggcttgg aggctccaga 540
atcacctgtg gccactaaaa aggcagatct cagtgtgccc cattctatag aaccggggat 600
gccaccacct ggcacaagtc ccacctgtt cccattccca cggagagagc ttctctggct 660
tcaccgtgac tctctaccct tctgttccag atggctcttc 700

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<210> 728
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 728
gcctcaccgg ctcacacagg ggaggcttgg aggctccaga atcacctgt gccactaaaa 60
aggcagatct cagtgtgccc cattctatag aaccggggat gccaccacct ggcacaagtc 120
ccacctgtgt cccattccca cggagagagc ttctctggct tcaccgtgac tctctaccct 180
tctgttccag atggctcttc aggtcctcct gggatatggg cctgctggtc agagtccctc 240
gttttgggga ggctgttttg gcttttggta tgtgtctggc ccaagcagag ccacatgttg 300
ggtttttcag gcttagggag gatcgtcaca tggaagatgg attctgggga ctttgaacat 360
gaagacaata ggctttgcct tgtgttcttg gagccactgg ggactaggag gttgcaattt 420
ctatcttaag ttctctcaac ctccagtttc caacaacact ggctgaagc tccctgtgcc 480
ctctacacaa atgatcttca agaaaatctt gccccgctcc ttccccctgc aggaagggga 540
gcagcctcct cccgctgggg cctgctgaag agtgtgtac ctgctgggac catgtggctc 600
cagcatgttc ttcccacct gtctcctccc ttctcccctc tgcagacact gaggctgagc 660
ccatggcacg gggctcttcg caaataatta aaggagtaga 700

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<210> 729
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 729
agaaaatctt gccccgctcc ttccccctgc aggaagggga gcagcctcct cccgctgggg 60
cctgctgaag agtgtgtac ctgctgggac catgtggctc cagcatgttc ttcccacctt 120
gtctcctccc ttctcccctc tgcagacact gaggctgagc ccatggcacg gggctcttcg 180
caaataatta aaggagtaga gttggaatat ttccatcctg gcaacttgac agaagggtga 240
cacaccatca attaagacag tgcagcatct ccaaagccaa cgagtccttc agactcttaa 300
aaagcaatca gagtcaccta accagattcg gacttttgag gcaagaagaa tcgttagact 360
tctattaaag gagtattatt aataatgaca ctgtggacaa tagggacaaa ttgggatggg 420
actgagccac ctagaatata ttatcacctc agagatgatg ggaactggtg tctactgtcc 480
cagggatacc cctcacctct gcttctctca tttgcccatt cgctgggctc aagagaacac 540
actctctcac tctgtggat gaccctcatc aactcgctg gagctcacct aactccctcc 600
caggaaaagc tgctgagggc cccagggacc tcttcatgac cttgtaactg atgagtcttc 660
ctcatgcagc ctgacaggag atggggctat cagtgtgggg 700

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<210> 730
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 730
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gaccctcatc aactcgctg gagctcacct aactccctcc caggaaaagc tgctgagggc 120
ccagggacc tcttcatgac cttgtaactg atgagtcttc ctcatgcagc ctgacaggag 180
atggggctat cagtgtgggg aggtctgtcc tgtgcttagc tgataggctc tgggggtggg 240
tctaactcag ggtgaggcca gataggccca gtgatggcgg gctggcactg aactccccct 300
gtctgacatg agcctcccca cctgtgtact ggccacagtg actaccctaa gtctcttcac 360
aagcaaccag gaagaagtct caagcctaca caactcagat caaagacatc ctgaggctgc 420
ccttccccta aactgtcctc ctctgtgcct ctcttaagcc ctgtgtctca gagaatgtgt 480
ctcagctgtt gtgcagctgg ttcttaatgg ctctgtctct tcttctccac cacatttcag 540

```

```

ggctcagcac agaggtggct ccctgcgagt gcctgccctg cccctgactt gctccaagag 600
ctgtggctac ggctccctcc caagacacat atatccaaag gctttggaag cacagcccaa 660
tggcccaatg atttcctctt tctgggcctt tcagaggggt 700

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<210> 731
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 731
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ccctgcgagt gcctgccctg cccctgactt gctccaagag ctgtggctac ggctccctcc 120
caagacacat atatccaaag gctttggaag cacagcccaa tggcccaatg atttcctctt 180
tctgggcctt tcagaggggt agaggggaag accccatgtc ccagaagcca ttcctaccta 240
gtatgaaggc taccacatag ttggagatct ggcccatgcc cacgatgaca aataacacag 300
tgaacatctc ccagctgatg gagaaaatct gcaggaagct gaagccagtc tgtacagcca 360
tggttgcgaa gagaacgttc ttcctgccaa acctagagaa tgcagtataa cacaaaacat 420
gagatgtgta gggtgccaaag gtgtgttgca agccctgagt caggcatcaa tgcagactta 480
gtgttttttc agggctctgg cagacttttt tctctgtcac atcctcccat cttcctcctt 540
ggtgagggtc caggcatcca tctgtcagg agatatcttt tgagattctc agcttcctgt 600
ggagacacca tgtctcaaaa gcatggagca gtgtacgcaa ggaccttgtg gaaatatgct 660
ctttagaagg agccacagat agatgtctac agcacatttc 700

```

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<210> 732
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 732
cagacttttt tctctgtcac atcctcccat cttcctcctt ggtgaggtct caggcatcca 60
tctgtcagg agatatcttt tgagattctc agcttcctgt ggagacacca tgtctcaaaa 120
gcatggagca gtgtacgcaa ggaccttgtg gaaatatgct ctttagaagg agccacagat 180
agatgtctacc agcacatttc tggaaagtgg gtacagcaca gattgcagat atttcttgaa 240
tcagcaacat gaaaattctg taaatccaga actaagagtc actctgcaag tggtttttaa 300
ccttggctgc acttgggaatc acccgagag cttggaaaaa atactgatgc cagcacccca 360
cctcccaaga ttttgggata cagtttgggt attaggattt gggaaagtgt cccagatgag 420
tagcgtgcaa caaaaattgc aaaccactgc tctgtgggaa ggtgtagctt tcagcaatgt 480
ctgttgggtga cactgaagtt gttttaagta ttatcttcac attctggtag tgaccagtgg 540
atagaatgga gcacaggtgt gagcagaaca gcctttcccg ccccattttc caaactcatg 600
tctctggctg ttggcttggg ctgggaggct ttccccagca ttgccattta gtacccccac 660
cttctgcac tggtcaccca gcacatacag gggcctgtgg 700

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<210> 733
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 733
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ctgggaggct ttccccagca ttgccattta gtacccccac cttcctgcac tggtcaccca 180
gcacatacag gggcctgtgg aatactgtct cctgggtgctg tgatgctgcc tcctcaggcc 240
tgtaagctct atgaggggtca gagccagcat cagctctgtg gcccagtgcc ctggcccagg 300
gtccaagcca cagcagcagt gtgtgcacag ttggggctca ctgtctggct gctggctgtt 360
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agtgggtgat gcagcgtcat gttttgtcaa ggagtctgtg gtatgaggac cccactttcc 480
agtgggggtca gtggccctc cccaccactg gccaaagccc tgggagcatg aggctgggag 540
aatggaacaa aagtgtgtcc aggtgaaggg gactgagggc ggggtgaata ggagacatcg 600
gggctcctcc tatcactgaa tcagtggcct gagggctctc cttttctctg ggtagaaata 660

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ccctgaattc agtccagccc caagataggc agtgattgac

700

<210> 734

<211> 700

<212> DNA

<213> Homo sapiens

<400> 734

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cccaccactg gccaaagccc tgggagcatg aggctgggag aatggaacaa aagtgtgtcc 60
aggtgaaggg gactgagggc ggggtgaata ggagacatcg gggctcctcc tatcactgaa 120
tcagtggcct gagggtcctc cttttctctg ggtagaaata ccctgaattc agtccagccc 180
caagataggc agtgattgac aaggggcacc atcccacctt cctcccctcc catgtgctta 240
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tggggcaggt cactgccctc cctgaaactc aggatcctct ttggaaaagg aggggtgatgc 600
tcctactccg ctgcgattac atagcaagaa gccagccaag gccatggctg tgactggtga 660
cccctcagct gtgaggcagt ccaaagtaaa ggtggcactg

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<210> 735

<211> 700

<212> DNA

<213> Homo sapiens

<400> 735

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cctgaaactc aggatcctct ttggaaaggg aggggtgatgc tcctactccg ctgcgattac 120
atagcaagaa gccagccaag gccatggctg tgactggtga cccctcagct gtgaggcagt 180
ccaaagtaaa ggtggcactg catcttcaga agccagccta gtgcgagggg gaggtgtttg 240
aaaagcccaa agggcagggc agagggcatg gccacttggt ccaggcgtaa aatttctttt 300
cccttgttga aaagtgaag tggttccagg agctctgtga ctttattttc tgagcaggcc 360
cctctgagaa atcatgtggt ccctgggtcca ctacgccta ggccaagctt gtggcctgat 420
tcggggcccc atcgtttctg ggcctactta ctctctcca gggctcccta gctcccctcc 480
tacatcccta caccctcctt cccatccagt tttccagaa gtgtggtccc tcccattccc 540
tagggctctg gggatgctgc tgccctaaca agtccctgcc agtgcattcta caaatgagt 600
ttcagccaga gtttcagttt gacttaagtc aattaagcaa catctcaagg gaggtgacaa 660
aaatttcaaa gtgtgttttag tgacctttca tttattaaaa

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<210> 736

<211> 700

<212> DNA

<213> Homo sapiens

<400> 736

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cccatccagt ctttccagaa gtgtggtccc tcccattccc tagggctctgt gggatgctgc 60
tgccctaaca agtccctgcc agtgcattca caaatgagt ttcagccaga gtttcagttt 120
gacttaagtc aattaagcaa catctcaagg gaggtgacaa aaatttcaaa gtgtgttttag 180
tgacctttca tttattaaaa acaaataaat aaacaaacag atgccaatga gcactttggg 240
cttgggtttt gggggctgct gtctgtggcg agatgatcca gtctggagga aagaccctg 300
cctcccaccc agccctagct ccatcttgga tggggctgct tttactgcat tcgccaacaa 360
attccttctg aatccctcaca actcccttga aagtgtggtg gatttaagca caaactcaca 420
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aaaaatgtaa aacaaaaagc taagggaatt ggggaaaatg gaaaataaag aggagggag 540
ttgcaaaaac caagcctggg gtaagactga ccctagacta tcctgtccac gggcctgcct 600
gcttgccaga cggggctcca aaactggctc tgcgtatccc agcagctcag ctctcagaag 660
ggttacagta tccgaagtag tctgcttatt cgcagaagca

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<210> 737
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 737
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 gtaagactga ccctagacta tcctgtccac gggcctgcct gcttgccaga cggggctcca 120
 aaactggctc tgcgtatccc agcagctcag ctctcagaag gggttacagta tccgaagtag 180
 tctgcttatt cgcagaagca cagttgttct gaatactgag atccgaaaga agtgtctcct 240
 atgtacttct tccacaaagg agccactctg tgatgctgag gataatgtcc tcgagaatag 300
 tcctgtccta gagacaatag caagattcat gaggccgcct gtcacagtgc tcaaagtgtg 360
 gccacaggca acgccaaca cagctctgca gaagaaaaac aactcgggcc aggaagttag 420
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 atggccagat taatgtgttc tgccagtcca tagaccgga gtggtaaaca ggacgtgtgc 600
 ctgcattcat ggccatctcc ctccaaaaat aattgtccaa agcttcagat aaaagcttgg 660
 gttctgcttc tgacttagag agatgagcaa ttgaggccca 700

<210> 738
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 738
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 tgccagtcca tagaccgga gtggtaaaca ggacgtgtgc ctgcattcat ggccatctcc 120
 ctccaaaaat aattgtccaa agcttcagat aaaagcttgg gttctgcttc tgacttagag 180
 agatgagcaa ttgaggccca aagcctcatg atgtggtgtg acccattttg cagaagatta 240
 aactgagact gtgagaatgg gatttgtctg aagtcatagc aagtaaatga gcatgataga 300
 tacctacttg ggcctcagaa cccaatcttg taccagtgtc ctgctttgga cctatactcc 360
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 ataccaggag acaattaccc aggactagga gtagaaggcc tccatcacag cctttagcct 480
 cagactgagc caagaagaac tcaagattgg tagaggcatt aacatgccaa ccatcatcat 540
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 tcaaataattt ttctgtcttg actttgcctt agggcaggat agataggatt tagagataga 660
 aaggaatgga aggctgttag atgtggagcc aggcattgca 700

<210> 739
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 739
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 aaagctcttt caaatataat gtgctctcct ttgtagtctg tcaaataattt ttctgtctgg 120
 actttgcctt agggcaggat agataggatt tagagataga aaggaatgga aggctgttag 180
 atgtggagcc aggcattgca tgagcaaagg gtaggactgg gaactggcta cttaatttgc 240
 aaggtccagg gcaaactgaa aatgcagaac tccttgggtca aaaattatta agaatttcaa 300
 tacagcaatg gcaaagcatt gaaaccaagt gtggcgctct gtgtgactgc acagttgcat 360
 gccatgaag ctggcccttg caggggatca aacctggcct ccaggaaatg aagcagatgc 420
 aggagtcttg aatggggaca ctgggaaggg gggtagggtg agggccatct cccatcattc 480
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 gccccaagcc ctgaggggtg gccatctgcc tttggagacc ctgcttacia ccagcagggg 660
 aaggcagcta gactgcatgg ctgcccattg ttgattctag 700

<210> 740
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 740
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atgcagcaca ggaagagcca tgcacacgca gtggccgttt gcccgaagcc catgaggggt 120
gccatctgcc tttggagacc ctgcttacaa ccagcagggg aaggcagcta gactgcatgg 180
ctgcccattg ttgattctag ggctgggctc tcctttgggg agttatggtg ccgcaagtgt 240
ctttttggaa agctgtgagg ggcttggtat taggacacag gattggcaga tgaagttcta 300
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atgtcttggg tctccgctag ccagggccac aaaacctccc tgtgggtaac agtgacatgg 480
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cacatgtttg tacatacatg cacacacaca tacatacaca tgaccagctc agaggcta at 600
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tcctaacatt tctgaaacat agcttacctc ccctctccct 700

<210> 741
<211> 700
<212> DNA
<213> Homo sapiens

<400> 741
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cacacacaca tacatacaca tgaccagctc agaggcta at ggagatgtc ctggtaagga 120
gctggctggc attgcttttg ggggtgtgctt tcaagtcaaa tcctaacatt tctgaaacat 180
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gaaatgaagg cacagagcaa taaagcaacc agcccaagtt ctctagtga attggtaaaa 600
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaattgctta atcattgatt caactgacat 660
tcagcaccta cctgctccag gccaggctct gtgtagggca 700

<210> 742
<211> 700
<212> DNA
<213> Homo sapiens

<400> 742
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taaagcaacc agcccaagtt ctctagtga attggtaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaattgctta atcattgatt caactgacat tcagcaccta cctgctccag 180
gccaggctct gtgtagggca caagaaagac atgggtccctg ccctcacaaa gctcaaggct 240
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cccctcctca ccctcctcca gcagaaggac agagttctaa aacctgaata atccgtataa 420
tcatatttta gatgactagt gtttgcacag tgctaggcac acagtgggtg ctttaacaaat 480
tggtgaatga atattgaaca ataatagg agtcatagaa aatcagcctg gaaaatgtgg 540
ttcttgggct gaggagtatc acgcattgca cttggaaaat caccctcagc cttgaactaa 600
ctctccaagt agccaaagtc tggcagtttt agtttttacc agagctataa aggaccataa 660
agataagtga accccgtctg acctgcacgg aactgagaac 700

<210> 743
<211> 700
<212> DNA
<213> Homo sapiens

<400> 743

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attaattagg agtcatagaa aatcagcctg gaaaatgtgg ttcttgggct gaggagtatc 60
acgcattgca cttggaaaat caccctcagc cttgaactaa ctctccaagt agccaaagtc 120
tggcagtttt agtttttacc agagctataa aggaccataa agataagtga accccgtctg 180
acctgcacgg aactgagaac gctggaaggt agcctgggtg tcagcaaaga acacaggctt 240
tctcgggggtc tgcaactttg gactgtgtga tgttgggcaa tccattcacc tctattagcc 300
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tttctaccag gctcatacta gtagagcatt ttatttgtcc tgagcaaaaat catgacttgg 480
aacacatgga cgaataagca aagcagggtta cacttaaatc tgactaagag aaagaaattc 540
taagaaataa aaattattcc agtccattac taaaagctag aaaagctctt ataaaaggga 600
tttgataaat ggaattcaat cccagagatg actgtgagtg aaaaattagc aatggtcctt 660
ttaagaataa aagattgatt tctatagtat cctctcatag              700

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<210> 744

<211> 700

<212> DNA

<213> Homo sapiens

<400> 744

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aagcagggtta cacttaaatc tgactaagag aaagaaattc taagaaataa aaattattcc 60
agtcatttac taaaagctag aaaagctctt ataaaaggga tttgataaat ggaattcaat 120
cccagagatg actgtgagtg aaaaattagc aatggtcctt ttaagaataa aagattgatt 180
tctatagtat cctctcatag ttatccttta ttctagagaa aagtaagaag tagtagttaa 240
taatggacta tacatccacc ccagttctat ctttgtcact tgattgtgac ttaaagctgg 300
gaattccttg acaatatgaa aaaacaaaac aaagaaaaac aaaaacaaac atggctagtt 360
aattactttt ttgtaacaac tttattgaga tatgatttat acaccataac atttactctt 420
ttaaagtata caaatcaatc attttttagta tattcacaga cttcagcaac catcagcaat 480
gatctgattt tagaattttc atcacccttg aaagaaaacc catacctgtt agcagtcact 540
cctcatcgc tacttcctct agcccttggg aaccactaat ctactttctg tctctatgaa 600
tttgcttatt ctggacattt catataaatg gaatcataca atatatagtg ttttatgact 660
ggcttcttat acttagctcc ttttctaagt ccatccatgt              700

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<210> 745

<211> 700

<212> DNA

<213> Homo sapiens

<400> 745

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atcacccttg aaagaaaacc catacctgtt agcagtcact cctcattcgc tacttcctct 60
agcccttggg aaccactaat ctactttctg tctctatgaa tttgcctatt ctggacattt 120
catataaatg gaatcataca atatatagtg ttttatgact ggcttcttat acttagctcc 180
ttttctaagt ccatccatgt cattgtgcag tgtatcagca cttcattact ttttatgggt 240
taataatatg ccatgggttg ggctgggtgc ggtgggtcac acctgtaatc ccagcacttt 300
gggaggccga ggcgggtggg tcacctgagg tcaggagttc aagaccagcc tgggtaacat 360
ggtgaaaccc tgtctctact aaaaatgcaa aaattagctg ggcacgggtg cacgtgcctg 420
taatcccagc tacttgggag actgaggcag gagagttgct tgagcctgga ggtggaggtt 480
gcagtgagct gagatcacac cactgcactc cagcctgggc aacaaagtga gactccatct 540
caacaacaac aacaacaaca actatatata tatatatata tatatatata tatatatattc 600
acggtttggg tctaccacgt tttcaatgat ctgttcatca gttgataagt agttgggttg 660
tttccacttt ttggctacta tgaataatgc tgctgtgaac              700

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<210> 746

<211> 700

<212> DNA

<213> Homo sapiens

<400> 746

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cactgcactc cagcctgggc aacaaagtga gactccatct caacaacaac aacaacaaca 60

```

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actatatata tatatatata tatatatata tatatatattc acggtttggg tctaccacgt 120
tttcaatgat ctgttcatca gttgataagt agttgggttg tttccacttt ttggctacta 180
tgaataatgc tgctgtgaac attcatgtac aacattttgt gtgtacatgt tttcatttct 240
ttgggggtata tacatagtag tgaaattgtt gggtcatacg gtaagtatat actcaacctt 300
ttgcagaact cctaattctgc tttccaaagt ggctacacca ttttacaatc ccaacagcaa 360
tgaatgaggg tttcaatttc tccacattcc taccagtact tgttattgtg tgtctttaat 420
tttagtcatt gtagtgggtg taaagaggta tctcattgtg gttttgattg catttctcta 480
ataactaatg ttgaacatct tttgcattga atctattgat caatttggag agcactgcca 540
tactaacaat aagtcttctg ctccatgaac agaacatggg aagcttttcc acttggttaag 600
gccttctgga atttctttca atgacatttt atagttttta aagtatacat tttgcaaatt 660
tttggttaaa tttatttctg aagtgcctcc tttaatattt 700

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<210> 747

<211> 700

<212> DNA

<213> Homo sapiens

<400> 747

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tttgcattga atctattgat caatttggag agcactgcca tactaacaat aagtcttctg 60
ctccatgaac agaacatggg aagcttttcc acttggttaag gccttctgga atttctttca 120
atgacatttt atagttttta aagtatacat tttgcaaatt tttgggttaaa tttatttctg 180
aagtgcctcc tttaatattt cttgtaagac atcactgcta gaaacaattc tctcaagttt 240
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cttggttgac agtttctttt ttccttcagc acttagaata tgccactcca ctgccttctg 360
tcctttatgg tttctaataga gaagtcaaac gttgatctta ttggagttct cttgtatgta 420
cctagtcata tatttgctgc tttcaaaatt ttcccttcgt ttttgtctct ttttttattt 480
aagcagtttt accatgatat atcaggggtg ggatctcttt gtgatcattc tatttggagt 540
ttgttgagct tctgaaaggt gtagattaat gttttccacc aaatttggga agttttcagt 600
cattatttct ttgagcattt tttctgcctt tttctctctc tctcctctcc tagtaattct 660
attatgcata tattgctatg tttaatggtg ttccccattt 700

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<210> 748

<211> 700

<212> DNA

<213> Homo sapiens

<400> 748

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atcaggggtg ggatctcttt gtgatcattc tatttggagt ttgttgagct tctgaaaggt 60
gtagattaat gttttccacc aaatttggga agttttcagt cattatttct ttgagcattt 120
tttctgcctt tttctctctc tctcctctcc tagtaattct attatgcata tattgctatg 180
tttaatgggtg tttcccatth ctctgagact ctatacattt tctttattcc ctttttctct 240
tctgttcttt ggattgcata atttccaatc ctctatcttc aagtttgctg attctttctt 300
ttgcctgttc aaatcttctg ttaaggccct tgagttactt ttaaatttca attattgtat 360
acttttactc cagaagttct attcagttgt tttgtttgtt taagagacaa ggtctctttc 420
tgttgcccag gctgggggtg aactcctggg cttaagcaat cctcctacct cagcctcctg 480
agtaactggg actataggca catgccatca tgtctggctc agctttttaa aatataaatg 540
taatttttct ctctttattg ctattctcta tttgatgcaa tattgtcatc atacttttaa 600
aagcatgact tcctttcatt ctttgaacat atttataatg gctgccttat gccttaaagt 660
ctgttaaaat ctgacatgtg gaccctctca ggcagttact 700

```

<210> 749

<211> 700

<212> DNA

<213> Homo sapiens

<400> 749

```

catgccatca tgtctggctc agctttttaa aatataaatg taatttttct ctctttattg 60
ctattctcta tttgatgcaa tattgtcatc atacttttaa aagcatgact tcctttcatt 120
ctttgaacat atttataatg gctgccttat gccttaaagt ctgttaaaat ctgacatgtg 180

```



```

gaccctctca ggcagttact gttgcccacg ttttcccccc atgtataggt catatttttc 240
tgtttctctg catatctcgt aatttctggg taaaaactgg acatttttaga taatatattg 300
tagaaattag gtactgtcac attcttccac cccattttcc ctgatctttc ttcttcttct 360
tttccgagat gaagtctcac tctgttgccc aagctagagt acagtggcat gatctcggct 420
cactgcaacc tccacctcct gggttccagc aatttctctg cctcggcctc ctgagtagct 480
gggattacag ggacctgcca ccatgcccag ctaatttttg tatttttagt agagatgggg 540
tttccccaca ttagccaggc tgggtctcaa ctcccggcct caggtgatcc acccgcttg 600
gcctcccaaa gtgctaggat tacaggcatg agccaccacg ccagtctgat ctttctatta 660
agctgtctgt gtctgtggtg atcacacca gctgttagcc 700

```

<210> 750
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 750
ccatgcccag ctaatttttg tatttttagt agagatgggg tttccccaca ttagccaggc 60
tgggtctcaa ctcccggcct caggtgatcc acccgcttg gcctcccaaa gtgctaggat 120
tacaggcatg agccaccacg ccagtctgat ctttctatta agctgtctgt gtctgtggtg 180
atcacacca gctgttagcc tcactaattg ctaggcagtt gcctcattca tttcaataat 240
gccctggggg catatatattg cccacagtct aatccagttg acgtcaagcc tctttgcagt 300
ggtagttttt gaggcaaata tataaggttt gttttgactc cagaagggct gctcttagct 360
gtctctttct tgttttgttt gtttgtttgt tttctgtttt ttcttggtta actagctgca 420
ttatgggttc atttgttgct ctaatggagt taccagaata ctttttagttg cttaccacta 480
aattctccat tgttcttgag agcaatctta ggctgtcctt tcacacactc tatttcaaat 540
aaagttcgtt cctgtgggga cagctttaga actctgttct tttggattat ctctccccgc 600
tgggcaaaat atctgagctc ctgttgtaga gaggtaggca gggaaagcgg cccatttatc 660
tcagaatgac acccctactt tatgagtcag acactgagtg 700

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<210> 751
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 751
agcaatctta ggctgtcctt tcacacactc tatttcaaat aaagttcgtt cctgtgggga 60
cagcttttaga actctgttct tttggattat ctctccccgc tgggcaaaat atctgagctc 120
ctgttgtaga gaggtaggca gggaaagcgg cccatttatc tcagaatgac acccctactt 180
tatgagtcag acactgagtg gaagtgggag cttgggtgtg aatctctgcc gtatgaatga 240
gctgggataa gggcaatcaa ggctctaata ttctcaactt gtggcacctg gagtagagtc 300
tctactatat gaataggcgg tgggtggagg atgggaacct atgatccctt ggttgactc 360
acgaggattt taccttctgt ggtttggagc taagagaata cagggatggg tgggggatgg 420
gcattgggtg tccctcttggt tgggctgctg tagcccttcc ttggaagctg atgggagaga 480
gaacagtatt ttcttggcca taccaccta gagtggaaact tccatttttc ttgtgctggg 540
aggaagggga aggggagggc tgaaggagtt atgactcaaa tatcatagac ttcactgttc 600
ttgccaaggt atagtcgact ttcttgaata aatatatgcc cttaggacaa cttccagaga 660
ctctaaatgt gtgtgtgtgt gtgtgtattt tcaccagtta 700

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<210> 752
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 752
taccaccta gagtggaact tccatttttc ttgtgctggg aggaagggga aggggagggc 60
tgaaggagtt atgactcaaa tatcatagac ttcactgttc ttgccaaggt atagtcgact 120
ttcttgaata aatatatgcc cttaggacaa cttccagaga ctctaaatgt gtgtgtgtgt 180
gtgtgtattt tcaccagtta tggctgtttc actgaggagc tgggtctatg cgctggcgct 240
cctcacactg ctaacttcga agtctcagaa tcttttcatg tgctaattga tttgtatttc 300

```

```

tttggcaaaa catctattct ccaaaatggg caaatgattt tatccatttt taaatcaggt 360
tgtcttttta ttgctgagtt atcagagtta tttttatatt ctagatacaa atcctttatc 420
agatatatga tttgtcaata ttttctccca ttttgtgggt tatctttttg gctgtttaat 480
tcttctactc atattttcat ttacaaacaa ctaagccaga aggctgctaa gccttaaaat 540
gttctcagta tctttctttc tttatattag aaaagctacc acagatggaa aagcctcact 600
gatgagttct gtgatcattg gaggctaaac caaagcagaa gaaccagtga gtgtgagtgg 660
gaagataggg atgggagtgg aggggctgtg ggaaggagaa                700

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<210> 753
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 753
ttacaaacaa ctaagccaga aggctgctaa gccttaaaat gttctcagta tctttctttc 60
tttatattag aaaagctacc acagatggaa aagcctcact gatgagttct gtgatcattg 120
gaggctaaac caaagcagaa gaaccagtga gtgtgagtgg gaagataggg atgggagtgg 180
aggggctgtg ggaaggagaa gggctactca gggacctggc tgtgccccct gcctcctgac 240
aatggatcca ccacagctct accagtctgt attaggggaa catgagcaaa tggcatcgtg 300
tctgtgccag tcaccaagca ctgaggggaa gctctggaag ttgccgctg aacctgccct 360
ccagtcttgc aaatgctgag caggagccac cagccttgga ctgtctgtgc ttcttgctag 420
agcatgtggg tcattccagc ctttccccag aacgtccatt ctctccacac cttcttcatt 480
ccaaatgggg atccttgctt ttcttttgga ctccagagac atgcataaaa ccacaacaca 540
gcttttagaaa acaaggcaca cctgtattag tcttacacct aaattgaatg cagcctgcca 600
taaggaggga attacagtcc ttctagaggc ccaagggtacc tgcagctccc cctgaccagt 660
cctgtcaaag ccttggtttt gtcaaaatgc caccttgga                700

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<210> 754
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 754
ttcttttgga ctccagagac atgcataaaa ccacaacaca gcttttagaaa acaaggcaca 60
cctgtattag tcttacacct aaattgaatg cagcctgcca taaggaggga attacagtcc 120
ttctagaggc ccaagggtacc tgcagctccc cctgaccagt cctgtcaaag ccttggtttt 180
gtcaaaatgc caccttgga cctgtctgag agttctgctg cccaccaaga gggatggaca 240
aagtctgttt atccagaaac ttggcaggag gtgcagggtga agcagcctct gaacaaaagc 300
atattctgag atcctgggtg ctggtgtcag aggaacacag cagagaggga aacagtttgg 360
ggtagggcag ctgataaaca aacagggaag cacattcagg ccagagcaag gggaagcccc 420
tgagtctcct ctatgtgctc tctggcaaga tctactttct gaagcattga ctggaaatag 480
aagtctcgcc gggctggctg gagccagagg cccccacacc ttatccccct tggaaatctg 540
cagagggcag gtctgagtat ggacttggat gatcaacttg gttaatatcc aggctatctt 600
gacagtctcc acaccctga gcaatgtccc agggcagcct gcaggcctga tagaaactcc 660
acaaacctgc ctatcacgga aggttttccc cttttgtcgg                700

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<210> 755
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 755
gagccagagg cccccacacc ttatccccct tggaaatctgc cagagggcag gtctgagtat 60
ggacttggat gatcaacttg gttaatatcc aggtatctct gacagtctcc acaccctga 120
gcaatgtccc agggcagcct gcaggcctga tagaaactcc acaaacctgc ctatcacgga 180
aggttttccc cttttgtcgg ggccaccca gacccaggga gaggtgcac cttgagagcc 240
gctatgtgaa gtccacata gtggcagccg catgtgaggg ttagtctgtt tcattattcc 300
cttgcttgct gctctcagtg cctcccagaa gttccccgtt agcaggggaa gaggccttat 360
ccttcgccac ataacctggc tcgcctctgg gttatgggtg gggaaatcagt aagtcctact 420

```

```

gctgttcagg ccctgacccc agttcccagg aaagcacaag gctagtgcc cagaggtcc 480
aggccctttg ctggagggtc catcaactcc actaccagtg ggctaccagc agctccacta 540
gggttcctag aggaggcagc ccagctgcag aagaggacag gaggatctac ggtgtggcag 600
cagccctgtc ttagatcact ggtggcctgc aaagaaggct ggtcctaac acacaagggt 660
ccccagggc ctctggagca caagacctgg cagaagtgg 700

```

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<210> 756
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 756
catcaactcc actaccagtg ggctaccagc agctccacta ggggttcctag aggaggcagc 60
ccagctgcag aagaggacag gaggatctac ggtgtggcag cagccctgtc ttagatcact 120
ggtggcctgc aaagaaggct ggtcctaac acacaagggt cccccagggc ctctggagca 180
caagacctgg cagaagtgg atccagctta gaggtgactg cctcagtttt cccagcccat 240
ggactgatgg gaaggtcaag accctaata tgcctcatgg gagaagagga catgcttgag 300
gcaaaggcca gcccatgctt agccctggc cagcagccag gattgcctct gctgcttgcc 360
ctgtggccct gcagatgaac ttaggccctc tccagagcag agcatttggt gcccttcctg 420
ctccttttag ctcagggcag gaggtgcctg ggtttcctca cagcagggc ctcttctctc 480
tgaggtcttg gccctgagg ctatatatga agggccatgc ccatggagac tgagatctga 540
cccctgcagt aggtctcagg gatgaggacc ccagcatcag acactctggg ttgcttgggg 600
cacttccttc cccaacagaa gcttcagtc caaccagggt cccaccagtc cctgcttgcc 660
ttcctgctca actgctgcct gatggaaaac ttagcaacga 700

```

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<210> 757
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 757
ctatatatga agggccatgc ccatggagac tgagatctga cccctgcagt aggtctcagg 60
gatgaggacc ccagcatcag acactctggg ttgcttgggg cacttccttc cccaacagaa 120
gcttcagtc caaccagggt cccaccagtc cctgcttgcc ttcctgctca actgctgcct 180
gatggaaaac ttagcaacga gctgtgactg gcactcctcc cgcaggggta aacacagact 240
cctctagccc tgactgcaga gacagataaa ggcccttacc ctggatatct acattctcta 300
tccttaaagt gaaaaataac ttggtttgag ctagaataac tggagcaaca aaataaagat 360
ggatagcatt agtttataac tgatgaaata aaataagtat gtatgaacct gtactgatat 420
aagttaacaa ttgcatacat taataaatag atgtggaggg gaagctcttc ttctcagaag 480
aattccaatt aataaatggt gaaggaatca gaaaatgcaa aatcatcact aggcaactg 540
cagtaataat tgtttcagtc aagacctagt gatgaatgct aaaatcagtg aataaaaatt 600
tgaggagaca caggattttg tataatctcg aagaacctcc cttagatat ttattagtga 660
cagaggaaaa aatagtacct ttacagcaga gaaattccac 700

```

```

<210> 758
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 758
gaaggaatca gaaaatgcaa aatcatcact aggcaactg cagtaataat tgtttcagtc 60
aagacctagt gatgaatgct aaaatcagtg aataaaaatt tgaggagaca caggattttg 120
tataatctcg aagaacctcc cttagatat ttattagtga cagaggaaaa aatagtacct 180
ttacagcaga gaaattccac agacaccaac ttgacaaatg atcaagggtta acatcaccag 240
taataagaca catcagcatc atgtaccac tggtatgatg cccagagaat gcatcacttc 300
taaggtatca ttacaaaaaa gtgcataacg caatctaatt gtgagaaaaa tcatgccaac 360
ccaaactgag gagcattcat caaaatactc ataaaaatgt caagatcatg aaagataagg 420
aaagactaag gaacaatcac agattggaga ctgagacatg acaactaaat acaacatggg 480
attttgatg ggatcctacg atagaaaaag ggcagtagta gaaaaactgg tgaaatccaa 540

```

```

acaaagtctg tagttcagtt attactattg taaccaatgt taatttcctg gtttggataa 600
atgcataacg cgtattttaa ttgttaacat cagagaaagc tagatgaagg gtatatgtga 660
aatctctgta ctattttcaa acttctctct aaatcaaaag 700

```

```

<210> 759
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 759
atagaaaaag ggcagtagta gaaaaactgg tgaaatccaa acaaagtctg tagttcagtt 60
attactattg taaccaatgt taatttcctg gtttggataa atgcataacg cgtattttaa 120
ttgttaacat cagagaaagc tagatgaagg gtatatgtga aatctctgta ctattttcaa 180
acttctctct aaatcaaaag ttatttcaaa ataaagttaa aaaataatcg ccaggcgcgg 240
tggctcacgc ctgtaatccc aacacttttg gaggccgagg caggtggatc accttaggtc 300
aggagtccga gaccagcctg gccaacatgg tgaaaccctg tctctactaa aaatacaaaa 360
aacaacaaaa caaacaaaaca aaaaactagc cgggcatggg agcaggcccc tgtaatccca 420
gctactcggg aggctgaggc aggagaatcg cttgaaccaa ggaggcagag gttgcagtga 480
gccgagatgg caccattgca ctctccacc ctgggcaaca agaacgaaga aagaaactcc 540
atctcaaaaa aataaaataa aataaaataa aataaaataa aacgaaaaat aatttgactc 600
ttagtaactg cacaggttga aaaacttgga cctcacaatc aaccctgaa gaaggaaact 660
accttataca catgtacaca cacagacgaa tgcactcacg 700

```

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<210> 760
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 760
ctctccacc ctgggcaaca agaacgaaga aagaaactcc atctcaaaaa aataaaataa 60
aataaaataa aataaaataa aacgaaaaat aatttgactc ttagtaactg cacaggttga 120
aaaacttgga cctcacaatc aaccctgaa gaaggaaact accttataca catgtacaca 180
cacagacgaa tgcactcacg caaaccccaa ctacagacacc ttattgctac ctctggcat 240
actatgaaag gcatttctac agcacagcat gccatccttg gttcctggct aaccctgtcc 300
tctgtgaag aggtgttggg gggcagttca ggcagacttg tctgtcccca aagatatgcc 360
cattgggaga tcctggcacg gcagtataag gcaaagacac aatctgagga cagtccact 420
acctgtgttg tgccaactgg gatgcagaga accttctcag gggccctggg cttggccctg 480
tacactggca ctggccaagt cagtatgggt ttggacttgt gttctattct ctgaggcttg 540
gaactgccac tgtggggaga ggggctcagc ctccagcaag tcccatcacc tattacacag 600
gccacaacct ggactttaga acagctccca ccatgccac tgtcccagc cagtggagaa 660
ggcaaagaag gtgctgagct tctgccttta ccactcctca 700

```

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<210> 761
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 761
cagtatgggt ttggacttgt gttctattct ctgaggcttg gaactgccac tgtggggaga 60
ggggctcagc ctccagcaag tcccatcacc tattacacag gccacaacct ggactttaga 120
acagctccca ccatgccac tgtcccagc cagtggagaa ggcaaagaag gtgctgagct 180
tctgccttta ccactcctca ccaccaccta ggaagcccat ttgctggtgc cacactcttt 240
gctggtgcca cactctgtgc tggccaccac cggatggggc atggggcatt atctcactga 300
gtcctcccaa caactcagat aagggtggctt ctcttattat ccccattttg aaaactgaga 360
taaagtacac ataataaca gtttaccatc ttagccattt ttaagtgtac agttcagaag 420
cgttcacact gttgtgcaat caatctccaa cactactttc atcttcaaaa actgaaactc 480
tatacccatg aaacaacgac tccctactcc ttccttcttc cagtccctgg caaccacat 540
ttactttctg cttctgtgag tgtgactact cctgtagtga aatcagaaaa taatttgtct 600
tgtgactggc ttatttcact aagcgtagtc tcctcaagggt ttatccacgt tgtagcatgt 660

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ccttcctttt taaagctgaa taatcgcca ttgtacgcat 700

<210> 762
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 762
 tccctactcc ttcccttcttc cagtcacctg caaccacat ttactttctg cttctgtgag 60
 tgtgactact cctgtagtga aatcagaaaa taatttgtct tgtgactggc ttatttcact 120
 aagcgtagtc tcccaaggt ttatccacgt tgtagcatgt ccttcctttt taaagctgaa 180
 taatcgcca ttgtacgcat ataccacatt atgtttatcc atttgtctgt ggaaggacac 240
 ttgggttgct ttccacctttt gactattgtg aataatgcta ccatagacat ggtgtacaaa 300
 tatctctttg aaaccctggt tcaattattt tagacatata tccagaatta gtattgctgg 360
 atcatatggt gattctattt ttaatttttt tagggaccac cacattattt tccatagtgg 420
 ctgcaccatt ttacactccc actaggaatg aacaagggtt tcaatttctc tacatcctca 480
 ctaacacttg ttattttctg tgtttaaaaa caacaacaac acttttttag aggtgggggc 540
 ttgccctgtc acccaggctg gagtgcagag atatggtcat agctcactgc aacctcaaac 600
 tcttgggctc aagtgatcct cctgccccag cctcctgaga agctggaact acagtcacat 660
 gccctcatgc ctggctaatt ttttatttat tttttgtaga 700

<210> 763
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 763
 tgtttaaaaa caacaacaac acttttttag aggtgggggc ttgccctgtc acccaggctg 60
 gagtgcagag atatggtcat agctcactgc aacctcaaac tcttgggctc aagtgatcct 120
 cctgccccag cctcctgaga agctggaact acagtcacat gccctcatgc ctggctaatt 180
 ttttatttat tttttgtaga gatggggctc tactatgttg cccagtgtg tcttgaactc 240
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<210> 764
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 <212> DNA
 <213> Homo sapiens

<400> 764
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<210> 765
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 <212> DNA
 <213> Homo sapiens

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<210> 766
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 766
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 cctgaccaat agcaggcaac agctccatga ggatgctctc 700

<210> 767
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 767
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<210> 768
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 768
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 ggaaggtgac tcaggcagtg cgtctgggta gcctgggctg cgcttcccc aacgcaacat 180
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<210> 769
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 769
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<210> 770
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 770
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<210> 771
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 771

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gagctgaatt cggtcacccc tggcggcgcc cggacagcgt cctcaggaca gccaggacc 180
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ggaggcactg tcgtcacgct gggttctgat tttgagcccc ttgctctcct cagcccccca 480
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gaagggcctg cccccagtc aggaacagag ggagggaggg agagagaagt aggagatccg 600
atttggcgct cagaccggc agggtaacca aagcaggac cacagcctcc ctttttttgg 660
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<210> 772

<211> 700

<212> DNA

<213> Homo sapiens

<400> 772

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ctgtcagagc tttctccgac tggaaggctt tctgttagca gaagggcctg cccccagtc 60
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tgggtcattat cttacttagc ttgggtttca tctccctact ccaccata taatagagca 600
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<210> 773

<211> 700

<212> DNA

<213> Homo sapiens

<400> 773

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gagtgaacag agagggaggt aaagccaaca tagactgtga aattgagatg gttattggcg 240
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aattagcaat actgagcctg tctttattga aaattttgat attgcgttca tcatgggtat 360
ttgcattaat ttctatttta aaaaatattg cattaaaata taattaatct tgggtactga 420
atttcttggg gcctccttaa atttgcacca gagacaagtg ccttgcctt tttcctcacc 480
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tgcttgcaat tccagattag cacataagtg agggctgaac aggtaccact cgactatttg 660
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<210> 774

<211> 700

<212> DNA

<213> Homo sapiens

<400> 774

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```

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agtctgcttt tttttttttt tttttttttt tttgagagag attctcagtc tgtcaccag 660
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<210> 775
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 775
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tcttacgact tggtagactc tgacaatacc tggtttacaa tgggtatctc tggttgcata 480
gacctttgat gtcccattgc taggctcttg gtttttattg gggccaaaca gctgcttttc 540
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<210> 776
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 776
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tcagagactc tgccctgtag ccttattcat catgtatgcc tctagcccca ttgtatctgc 180
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tatttttatc tgctatcctt tggcatacat gtgtctttac taggacatct agagttcttg 660
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```

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<210> 777
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 777
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tggcatacat gtgtctttac taggacatct agagttcttg cttcttcttg cttactaggt 180

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caaattagca ttaggtcatc aatacagtgg actaccatga tgttcaatgg aatattgaga 240
caatcaaagt cgctagatac tgtgttgtgc agagaggaga actaacatag cccagaggca 300
agagagtgaa tatgtactgc tattattcct acataaaaagc aaacagtttt tcatcctcct 360
gactgaagga tattgagaag aaaatatattg atgttgaaat taatctctgc aataccaccc 420
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acagtgtgga tcttcagact tctggatctg tttgcaagag tactccattt acctggcttt 660
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<210> 778

<211> 700

<212> DNA

<213> Homo sapiens

<400> 778

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tctggatctg tttgcaagag tactccattt acctggcttt catgagcctc tgtcacgggg 180
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<210> 779

<211> 700

<212> DNA

<213> Homo sapiens

<400> 779

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cccatgggaa tgtatcttc tagtaggttc tctgatcttg cataataact acaatctaac 660
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<210> 780

<211> 700

<212> DNA

<213> Homo sapiens

<400> 780

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tctgactcct tcagtattct gccaaaggaag tttctggcat ctctacttca tttccgaagg 240
tcgtaattgt gtccaagttt caaagaagca tctcagaagc atgtgaaaaa ggttttatgt 300

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atccttgatt ggatgttaat ccctgaataa tgagagtgcc cccagattga tacattctta 360
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tttcaatgtg tatgtctattt gcttataaat cagatactgt atttctccac ttaggctgtg 480
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agaataagca tcatcgttgg ggcccttgcc ttaggaggag tcttggcagg attccaggca 600
aggagaggct tgtctcctat agcaggagaa agatagctgc ttctgctggc cttgaagggt 660
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<210> 781
<211> 700
<212> DNA
<213> Homo sapiens

```

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<220>
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<222> (1)...(700)
<223> n = A,T,C or G

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<400> 781
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ggcccttgcc ttaggaggag tcttggcagg attccaggca aggagaggct tgtctcctat 120
agcaggagaa agatagctgc ttctgctggc cttgaagggt taggagaatc caggaattca 180
aaattctcac attaattctat tcaaattgtt ccattctttg ttccagggtt ccatatgttt 240
cctatcaggg ccatgactcc attgtagaaa gtagagctat cacagctgtg aatcccttcc 300
ttgcaggctc gccttctagg accactctta tgtcgactgt cttagcccag atttcctcct 360
gaaagcaaa cctgagtcac gagtttgtgt gtaggtgatt tatttgggaa tggatccaaa 420
ggaacaggaa taagtgcact gggagagtaa aacaggaaa aaggggaagc aatataagag 480
tgcagaggcc agatgtggtg gctcacacct gtaatcctag cactttggga ggccgaggtg 540
ggtggatcat gaaatgagga gtccaagacc agcctggcca agatggtgaa acccnnctn 600
nctactaaaa atacaaaaat tagccangcg tgggtggcaca cacctntaat cccagctact 660
ngggaggctg agncagnana attgcttnaa cccnnggagg 700

```

```

<210> 782
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 782
gctcacacct gtaatcctag cactttggga ggccgaggtg ggtggatcat gaaatgagga 60
gttcaagacc agcctggcca agatggtgaa acccnnctn nctactaaaa atacaaaaat 120
tagccangcg tgggtggcaca cacctntaat cccagctact ngggaggctg agncagnana 180
attgcttnaa cccnnggagg cagaggttgc aatgagccaa gatcgcgcca ctgcactcca 240
gcctgggcga cagagcgaga ctccgtctca aaaaaaaaaa aaaaagtgcg gagtctcaga 300
ccagcccga gagctgcagc cgccttttgc gccctccctg ccttccccat cctccctgcc 360
gacatcatgc tccagttcct gcttgaattt actttggcaa tgtgattgga atgtatctgg 420
ctcagaacta tgccacgcca aacctggata aaacacttga tgaaatgaaa aagggcaatg 480
ccgagaaaac cccctagtgt catgaggccg actccagcac tgccctctgg atacactgat 540
tgcaccactc ttgagggcct cctttaccat ctcaacaaaa ggcttttgtt ttcattctcca 600
acctcagcga ttttcgtctt ggctagaccc ggtgctgcct taggacaaaa atagggccac 660
aagttaagaa ctacctatgt agtgtgacag atcccctgcc 700

```

```

<210> 783
<211> 700
<212> DNA

```

<213> Homo sapiens

<400> 783

```
catgaggccg actccagcac tgccttctgg atacactgat tgcaccactc ttgagggcct 60
cctttaccat ctcaacccaa ggcttttggt ttcattctcca acctcagcga ttttcgtctt 120
ggctagaccc ggtgctgctt taggacaaaa atagggccac aagttaagaa ctacctatgt 180
agtgtgacag atccctgcc aggttggtta aggggtacatg tccactgcct gaaccctgaa 240
ggccaggcaa tgagccaagg ccatgggtga tagctgagga atagggtgtcc ctgggaaccc 300
aaacatcctg gagaatagct gagaacctac caagggaaac agtcccatca cacacacata 360
gtaggtaaag agacagaaaa ttagcttaga gatgggaggt ggcacggatc tctaaagctg 420
tcccgcctgcc attcaggagt gcctcatgca taagtcccaa taaactcatc tactagccaa 480
gctgaacttg tcccagacat gcttggtctc tttgctccct ccagtttggt ggtaagggtt 540
tttttaata caattccagg tttttctcat tacaattgct gtcattgaga ggatctgaga 600
aaccaatgga tgaattagga aggcgcctct gcggggagaa tcctaggggtg gttggcaaca 660
tgcattgtggc gtggagttgc ccgactgctc aatcttcaca 700
```

<210> 784

<211> 700

<212> DNA

<213> Homo sapiens

<400> 784

```
gcttggtctc tttgctccct ccagtttggt ggtaagggtt ttttttaata caattccagg 60
tttttctcat tacaattgct gtcattgaga ggatctgaga aaccaatgga tgaattagga 120
aggcgcctct gcggggagaa tcctaggggtg gttggcaaca tgcattgtggc gtggagttgc 180
ccgactgctc aatcttcaca ggccaccgtg gactctggga aaactctggc agaaactgaa 240
tcacctattg taagaagtta agatattaaa atacgataaa gataataaat gtgctattgt 300
tgcaataagg gtagctactg agaaatcatg agagcaggaa agggagaaaag ggtaaaaact 360
ctgcagaag gtgaaaggca tgccagggtt tctaggacac cagcagggtta catatgatgg 420
cctattcttg tgcacgttct aaaactgatg ggcaaataac aacaacaaca aaaaaaaga 480
gctcaaattg ttaagctgca actatagagt taaatagcat cttcatatgc tctctgttct 540
tctctttctt tcccacatg ctttgaatct gctgttatta agccaccgtg ttgagataaa 600
actcactgtt tatggtaaca ctaattcaag gttatttgga gattttgttt ttcttataca 660
attaagccag ttctagttaa aatgtaaaca ataaaatgaa 700
```

<210> 785

<211> 700

<212> DNA

<213> Homo sapiens

<400> 785

```
actatagagt taaatagcat cttcatatgc tctctgttct tctctttctt tcccacatg 60
ctttgaatct gctgttatta agccaccgtg ttgagataaa actcactgtt tatggtaaca 120
ctaattcaag gttatttgga gattttgttt ttcttataca attaagccag ttctagttaa 180
aatgtaaaaca ataaaatgaa aacgaaaagg aaaaaagagg tttttaaaaa tcaaactgcc 240
atggaaactt ctttcccca aattttgatc cacagctttc cttggattac ctatcaggga 300
aaatagagct tagccataac aggtcccaat tttgtcaaaa gtaatttggg tccaactgtc 360
ttttgtaaaa acaacaaatt tattatattg tctcatggct agagtctctga agtaaaatta 420
tcagatcttt gtgtatgtat gtatatacat gtttaaatat attatatatg tgcattgatt 480
atatgttcta acatgctacc aaataaaatt atagataaat ggggtataaa tccaaatgct 540
tttcaagttc acaggaattc aataatcttt gctaaataag ttggctttta aattattagt 600
aaataaaaaa aaagatatct tcaaaagtgt cagcatacat ttttgtctga gtcttctgat 660
aaaatacact ttatatttgc ctctgctaga tacttttaag 700
```

<210> 786

<211> 700

<212> DNA

<213> Homo sapiens

<400> 786

```

aaataaaatt atagataaat ggggtataaag tccaaatgct tttcaagttc acaggaattc 60
aataatcttt gctaaataag ttggctttta aattattagt aaataaaaat aaagatatct 120
tcaaaagtgt cagcatacat ttttgtctga gtcttctgat aaaatacact ttatatattgc 180
ctctgctaga tactttaaag gggtcagggtt ttacatgaaa gttagaagac tgtaaaccga 240
gccaaaaata aaatgatctt tgtctgtatg atttttttga taagcaagac taattcgata 300
ttgtttgggtt aatgaaaaca actgaatttt ctgagttatc agcaggaatc cccatgtgtt 360
taactttaag gctcttgctt agatgaacac ctgatattca caagctatga aaatgggtta 420
cagggaataa acttgcaatg acgattagct ttgttgactg tcttggttct cacaagtaat 480
ctagataaac tgctaaaaat gaataaaactg agtacatgta aatgagataa atgtgtgtag 540
gtgaaaattc tgtatagttt aaaatcttaa aattacttta ggtactcatt gaatgtctag 600
gtcattttcca gtttaaaaag ggttatgata tgggcgaggt atttgtggac cttaatgagc 660
tagataaaaa caaggactgg gccgggcgcg gtggctcacg 700

```

<210> 787

<211> 700

<212> DNA

<213> Homo sapiens

<400> 787

```

gaataaaactg agtacatgta aatgagataa atgtgtgtag gtgaaaattc tgtatagttt 60
aaaatcttaa aattacttta ggtactcatt gaatgtctag gtcattttcca gtttaaaaag 120
ggttatgata tgggcgaggt atttgtggac cttaatgagc tagataaaaa caaggactgg 180
gccgggcgcg gtggctcacg cctgtaatcc cagcactttg ggaggccgag gcaggcggat 240
cacgaggtca agagatccag accatcctgg ccaacatggt gaacccccgt ctctactaat 300
aatacaaaaa ttagctggac gtggtggcgc gtgcctgtag tcccagctac tcaggaggct 360
gaggcaagaa aagctcttga acttgggagg cagaggttgc agtgagccga aatcatgcc 420
ctgcactcca gcctggcgag agagtgaagc tctgttgcaa aacgaggacc aagtccagga 480
aataatcaaa gaacaaaaag gggatgagcc aattgaatgt acacttgccc tggatataggc 540
aggcaattaa cacgaaaaaa taccacctgc cagggggatg ctttgaaatc acctgaacaa 600
tccaggaatt acataaggca caaatagtcc agagcaccta taacagccct atgtggcctg 660
caaagaagcc atatgatacc tagaaaatga cagtaaaactg 700

```

<210> 788

<211> 700

<212> DNA

<213> Homo sapiens

<400> 788

```

gggatgagcc aattgaatgt acacttgccc tggatataggc aggcaattaa cacgaaaaaa 60
taccacctgc caggggggatg ctttgaaatc acctgaacaa tccaggaatt acataaggca 120
caaatagtcc agagcaccta taacagccct atgtggcctg caaagaagcc atatgatacc 180
tagaaaatga cagtaaaactg ccgtgagcta aacagagtga tgccccccgt acctgcagct 240
gtaccgggta ttgctcagct gctagagcaa atggctcctta agctgggaaa tgtccatgct 300
gtgattaatt tggctaattg ctttttaaagt atttctttag cagacgattc acaggagcag 360
tttgcatcca tttgggaggg caaacaatgg attttccagg tgctaccaca agaatatctg 420
tgcagcccca ccgtctttca tgatatgatt gcacaggacc tgtctagatt cttgcctacc 480
tcagtcttcc tgttttacc a tactgataat ataatgttaa cctcagaatc tcttacaat 540
ctggagactg ccctgcacac catcttagac agcctaaaaa ggacagggaa tgggaagtca 600
acccccaaaa catacaaggg cccagtgtag ccatcaaatt cctaggaatt acctggatgg 660
gtaagacacg aaacataccc agagctgtta ttgataagat 700

```

<210> 789

<211> 700

<212> DNA

<213> Homo sapiens

<400> 789

```

tactgataat ataatgttaa cctcagaatc tcttacaat ctggagactg ccctgcacac 60

```

```

catcttagac agcctaaaaa ggacagggaa tgggaagtca acccccaaaa catacaagg 120
cccagtgtag ccatcaaatt cctaggaatt acctggatgg gtaagacacg aaacataccc 180
agagctgtta ttgataagat agcacagtag cctattcctc agacaataaa gcaacttcac 240
gttttcctag gtttattagg ctactggaaa atattcatct ctcatttgac acaaaccctc 300
tggccttcac acaccctagt aaaaagggat gcaaaatggg actggacaca taaagagcaa 360
gaggcatttg acaaagcaaa aatgttggtg aaacaagccc aagcattagg tgccccacag 420
ccacagcacc cttttgcatt agaagtcact agagataccg cagggatgaa atgggtgtttg 480
tggcaaaagc aaccaacagt aatggtactt gtaagatttg gtctcaatta tgggaaggggg 540
cataatccca ctatatagtc ctggagcaat aactctggct gtatataggg cattgcaaca 600
aatggaggcc atcaccagaa agcaaaccat cacaataaaa acttcctctc ctataaaagg 660
ggagatggag ggccttctag ccaagcccat ctctgggatg 700

```

<210> 790
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 790
aatggtactt gtaagatttg gtctcaatta tgggaaggggg cataatccca ctatatagtc 60
ctggagcaat aactctggct gtatataggg cattgcaaca aatggaggcc atcaccagaa 120
agcaaacat cacaataaaa acttcctctc ctataaaagg ggagatggag ggccttctag 180
ccaagcccat ctctgggatg atacaatcac acactgctga agtggcatgc ctatctacaa 240
cagaagggtg cttgtccatg agtctgtaa gtcaggcacc acagaaaatg ctcagacca 300
tccactttga acaagtggaa ggggccgaca tggcaatgaa tctacctact aggccaacca 360
tcatatatga agggattcca ttgataccca ctagggccta atacactgat ggggtctagca 420
aaggcaccca acaccaatgg ttggcaatca tgggtgaatat ggacactgac aacatatggg 480
tagaatggga attaggacaa agcagtcaat gggccatgct acaggcagtt tggatactca 540
tcaccacaaa gccctggcca ttagtcattt gcacagataa ttggactaca tacagaggcc 600
ttaccatgtg gatcaatcag agtgccacag acaattggca agtttggggc aggatcctct 660
ggggaatgac catgtggcaa gacatccaca tcaggttaca 700

```

<210> 791
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 791
agcagtcaat gggccatgct acaggcagtt tggatactca tcaccacaaa gccctggcca 60
ttagtcattt gcacagataa ttggactaca tacagaggcc ttaccatgtg gatcaatcag 120
agtgccacag acaattggca agtttggggc aggatcctct ggggaatgac catgtggcaa 180
gacatccaca tcaggttaca ggaaagggat gtccatcttg tgatgtacca tatggatgca 240
catagcccaa acaaccttct ggaaatcaaa aggcgaatgg ccttactcat tcacgtgcag 300
gcaatttgcc caagcccata cgaggaaatg ccgtatgtgc acatcataaa aacggccacc 360
aggggcaatc acagagtggc ccatagcaaa agcagcaggc atccctatcc aataagcaaa 420
tgttttggga gctgttcaga accatgagat ctgctcacia ctgtgacctg gaaagattcc 480
ctccacacca ggtcacatac attgagccat acaaactatg tgagcctggc aagtcaattg 540
tattggtccc ctgccccaga atagaaagaa aaggtatgcc ttaacttgta tggacacaa 600
ggggctgcta caggccttcc caataaaatg tgccactcaa ctggagatca tcaaattgtct 660
cactgctctt ttgtgtgtgt gtgtgtgaga cagaatcttg 700

```

<210> 792
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 792
attgagccat acaaactatg tgagcctggc aagtcaattg tattggtccc ctgccccaga 60
atagaaagaa aaggtatgcc ttaacttgta tggacacaac ggggctgcta caggccttcc 120
caataaaatg tgccactcaa ctggagatca tcaaattgtct cactgctctt ttgtgtgtgt 180

```

```

gtgtgtgaga cagaatcttg ctctgtcccc caggctgggg tgcagtgggtg cgatcttggc 240
tcactgcaac ctccgcctct caagtagctg ggatcacagg tgcacacctg taatacaaaa 300
acgcctggct aatctttata tttttaggag agatgggttt tcacctggtt ggccagggtt 360
gtctcgaact cctgacctca agtgatccac ccacctcagc ctcccaaagt gctgggatta 420
caagcgtgag ctacctgcc tggacctcac tgcctttaac gtcattgtatg gcatacaaaa 480
aaggatagat aatgatcaag gcccgaattc acaggccata atattaaaca ctgggcatca 540
gaacaaaaca tagactgaaa gttccactta ccatataacc caacaggggc aggccttaca 600
tgcattgtct taggactgga ctaagaatct ccctgtaata caaattttaa atgtcaccca 660
ctacctgca tggcatcact tcctgtgaat ggttggcaag 700

```

```

<210> 793
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 793
gcccgaattc acaggccata atattaaaca ctgggcatca gaacaaaaca tagactgaaa 60
gttccactta ccatataacc caacaggggc aggccttaca tgcattgtct taggactgga 120
ctaagaatct ccctgtaata caaattttaa atgtcaccca ctacctgca tggcatcact 180
tcctgtgaat ggttggcaag gtttgtaaac caggcccccac aaactcttgg ggttacctct 240
gagactcaga tccatgatcc tgaaacaaat ggccagactt tgcccctgag cacatcagt 300
gatctacca gtggcgatgg ctacatggac ccaaagttag gctggaaaat gcccatac 360
tagatcgatt ttatagcgtt ggaggacacc atgaagactg actgagggga aatgggtcca 420
gccgtgctcc ctgatggaga tccgagatac tgacgttatc aacatgcagc aacaccaaca 480
cctgctagat gcgttaaatt tggatagcac aggcaaggcc agaaatttac caattggctt 540
tatgcccacc cctgtggagg gaaaccctat atagtactgt aagccaggct cgaggcccag 600
ggcatctgcc ctaatagggc caatgggaaa aatgattatg ttagcaataa ttaagttaca 660
aggaatagat atacctatga gggtttctac taaacgcctg 700

```

```

<210> 794
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 794
tggatagcac aggcaaggcc agaaatttac caattggctt tatgcccacc cctgtggagg 60
gaaaccctat atagtactgt aagccaggct cgaggcccag ggcattctgc ctaatagggc 120
caatgggaaa aatgattatg ttagcaataa ttaagttaca aggaatagat atacctatga 180
gggtttctac taaacgcctg tgtttatgcc caaaggccat ggcttctgct acccatggta 240
gntagtaatg tcttcttgga ctgggctgca gctgcagcaa cagtcaacaa ccagccctgt 300
tactgggtat agggatacct cccctgtca aatgataatg gcatgccttg gaatattctg 360
cctttctccc aacagaactg gaatgattgc ttcaacagca tcaataaggc aatccggctc 420
actggggact gcctccacct ggaggccaaa ttgccaacat gacagagacc aaacaacata 480
cgctctcata ggcactacct gttatttctc tgataaagag aatcatgtca cagatgcttt 540
aaatcatttg tcaactcaga tccatgatat agttcaatta ggttactttg actcattctt 600
aaattaggta cacagcttac ctacttgctg gaattatgtt ttgctaatag gcatacata 660
tataganagc ttctgctttt tatgctctta tgtataccat 700

```

```

<210> 795
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 795

```
gttattttctc tgataaaagag aatcatgtca cagatgcttt aaatcatttg tcaactcaga 60
tccatgatat agttcaatta ggttactttg actcattctt aaattaggta cacagcttac 120
ctacttgctg gaattatggt ttgctaatag gcatcataat tataganagc ttctgctttt 180
tatgctctta tgtataccat ggaagtggcc tgtatccaca aactgtggnt atacattata 240
gacctctata gctcttcccc tcgtttcctg ctcagggact ctcgagcaag gttggtggaa 300
agaatataag agctggggaa tgggatgaat tgaagtatga cagggtcccc ggccagggtga 360
ctcaagggtg tatgtccgct gcctgaactc tgaagatcag gtgatgacct aaggccatgg 420
taccagcca aggagcaaat gacctgagg acccaaacat cccagagaat agctgagaac 480
ctaccaaggg aaagagtccc atcacacaca cagaagaagc aaagagccag aaaattagct 540
taaaagcagc ttagggatgg gaggtggcac agatctctaa agctgtccca ctgccatcca 600
ggaatgcctt gtgtgtaagt cctcataaac tcatttgctt accaagctgg acttgtctga 660
ggcactcttt ggtctcttgg ctcctctca atttgggaga 700
```

<210> 796

<211> 700

<212> DNA

<213> Homo sapiens

<400> 796

```
atcacacaca cagaagaagc aaagagccag aaaattagct taaaagcagc ttagggatgg 60
gaggtggcac agatctctaa agctgtccca ctgccatcca ggaatgcctt gtgtgtaagt 120
cctcataaac tcatttgctt accaagctgg acttgtctga ggcactcttt ggtctcttgg 180
ctccctctca atttgggaga aggtattttt ttttaatacaa ttttgggttt ttcttgttac 240
attaccctta tatttccgac atccttatct ctttccacat cttcctttca gccgtttggg 300
agggttctaag actggaatta cgggtgctaga ttagtgaaca tgacctttaa tgagtagtct 360
ttcccttatt ctttgggatt ttgactacct tttgtcagat gaaaaatttg tgagttttgt 420
gtagctgatt ggatgcaaat aatgctgatt tcacatttta gcaaagatgc ttgttaaaca 480
tttggtacga aattgtgttg tttctaagta attaaaatct atttagaagc caaagaagaa 540
gaagaggaag aggaaagaag aagaagagga agaggaagaa gaagaagaag aagaagaaga 600
agaagaagaa gaagaagaag aagaagaaga aaagaagaag aagaagaaga ggaagaagaa 660
gaagaatgca gcagtaggtt gtttacagat gtaagaaatt 700
```

<210> 797

<211> 700

<212> DNA

<213> Homo sapiens

<400> 797

```
tttctaagta attaaaatct atttagaagc caaagaagaa gaagaggaag aggaaagaag 60
aagaagagga agaggaagaa gaagaagaag aagaagaaga agaagaagaa gaagaagaag 120
aagaagaaga aaagaagaag aagaagaaga ggaagaagaa gaagaatgca gcagtaggtt 180
gtttacagat gtaagaaatt tgggtatggg tctcagaaat gtccatcttt aaggttcaga 240
agtagggaat atttaggtct gggctggaga tacctatttg ggagtggtea taactgcaga 300
gttcttgagg ccttgttgtg gacagcagag ccagccaggg ttcttggttg caagcatgct 360
cacagaattg atgggaaagc tgaggtagct ctgagataag cagaaatcag ctgttggaga 420
tggcaccgcg ctgggaagta gacagaccag agtggagccc taacagggca gcctgcttca 480
gactgagcct gaaggggagg agtggctcct tgactgggcc aggtggcctc tgatcactgt 540
cctcccagaa caagtccagt gtggctggag taagagcaca aaaggagggg agggacagtt 600
tagaagggat gtggttatta gacagcgcaa acagcaca caaccctaga caatgagcat 660
ctggggagga atggaggagc taggacaggg ccttgaggag 700
```

<210> 798

<211> 700

<212> DNA

<213> Homo sapiens

<400> 798

```

agtggctcct tgactgggcc aggtggcctc tgatcactgt cctcccagaa caagtccagt 60
gtggctggag taagagcaca aaaggagggt agggacagtt tagaagggat gtggttatta 120
gacagcgcaa acagcacaaa caaccctaga caatgagcat ctggggagga atggaggagc 180
taggacaggg ccttgaggag tgggtgcctca ggggcaggca agagagtgga caggaacact 240
ggctgggaag gcacaggggtg acaggactga ggagaaagag acttcttcca ccagaaatc 300
tctttctggg tggtgagaca gtctccagca attggagaga gagccctggg ggctgggaag 360
gggccagtc caggctgtctc tcagcaggct cctggaacca cggagggtca gtgagtgggtg 420
gggatgacct atttagccgg gatcatgacc agacgagtga gtcaagcagg catggtggta 480
ggttcatgca tatcagagtt ggtgatcagg tgctgtggca ccagccttgt ccacactcag 540
atccaaagct tcaggggtca cctttacttt gccagcttc caccattcca tgcccatgc 600
aaaaagttgg taagggttag cctgcactct gggctgttct ggggaccttg ccaagtggaa 660
acagatcagc acccttcaga aatggcttgg tcagagtcac 700

```

<210> 799

<211> 700

<212> DNA

<213> Homo sapiens

<400> 799

```

ggtgatcagg tgctgtggca ccagccttgt ccacactcag atccaaagct tcaggggtca 60
cctttacttt gccagcttc caccattcca tgcccatgc aaaaagttgg taagggttag 120
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gtgtgtgtgt gtgtgtgcgc gcgcgcgcgc gtgggtgtcg ggggtggtgc atcagcctct 660
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<210> 800

<211> 700

<212> DNA

<213> Homo sapiens

<400> 800

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gcgcgcgcgc gtgggtgtcg ggggtggtgc atcagcctct gagcttggct caccgggcct 180
gacagaccca ctttaagggt ggttaatgag gtttctgagc ccacatggct gagaccgact 240
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cattccagcc acaaatggat gtatgtcaga cactagcaaa gttgagggtt ggtttctgta 360
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acatgaaaag caagtcagggt gtcggcctgg ggtgcaagac aagaagttgg gtaagaatga 600
gttgtccagg atagcactgg agtgcacgta gctggacagg ggcaccaga ggtggagggg 660
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<210> 801

<211> 700

<212> DNA

<213> Homo sapiens

<400> 801

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tcatgtggcc ctgtgagctg ggatttggaa tttagactct gtcctaagag cagtgaggag 660
ccatggaaac tataataggc aagattgaca ggggaattgca 700

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<210> 802

<211> 700

<212> DNA

<213> Homo sapiens

<400> 802

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gagtccttgag gagagtttga tggggctgaa cttacagata agcacaatga gagttacaga 60
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ggatttggaa tttagactct gtcctaagag cagtgaggag ccatggaac tataataggc 180
aagattgaca gggaattgca cttgaaaaac ctcccttagc tggtatgtag agaaaggatt 240
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gagacagtgg cgtctggact ggggagagtg ggctagtttg gaattagtta gggatgaacg 360
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atacagcaga caatgtgatc ctagttaaaa cataattcca ggtcatgccg ctccctctggc 480
ttttcatctc agagtaaaag tcaaagtcct taccatggct gtaggagAAC agcctgttgc 540
gtggcaagaa tgatgctttt tttttttttt ttaacagggg ctcaactctgt tgccataggct 600
cgagtgcagt ggcaagatca tagctcactg cagcctcgaa ctccctgggct caaggggtcc 660
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<210> 803

<211> 700

<212> DNA

<213> Homo sapiens

<400> 803

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tcaaagtcct taccatggct gtaggagAAC agcctgttgc gtggcaagaa tgatgctttt 60
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ctctgagaaa atggatttgt caacctcttt ctttggcttc 700

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<210> 804

<211> 700

<212> DNA

<213> Homo sapiens

<400> 804

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caacctcttt ctttggtctc tcagctctct cggccttttg gtttgcatag tcttgctatc 240
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acaatgcctg gcatacagaa gggtcttaat aggtattttt gttttttgag acagagtctt 660
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<210> 805

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 805

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gggtcttaat aggtattttt gttttttgag acagagtctt gctctgtcac ccacgctgga 180
gtgcagtggc gtgatcttgg ctcaactgca cctccacgtc ctgggttcaa gcaagtctcc 240
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tgtgaaagac aacttttcca tggatggagg gcagggatgg tttcaggatg attcaaacac 600
attacactta ttgtgcactt tattcctatt attattacat tgtaatatat aatgaaataa 660
ttacatgact caccataatg tatggtgaag gaagccctga 700

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<210> 806

<211> 700

<212> DNA

<213> Homo sapiens

<400> 806

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gacagcagtc cccaaccttt tcggcaccag ggactgggtt tgtgaaagac aacttttcca 60
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tattcctatt attattacat tgtaatatat aatgaaataa ttacatgact caccataatg 180
tatggtgaag gaagccctga gcttggtttc ctgcaactag atggtcccat ctgggggtga 240
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cttgcaagcc actcacctcc tgctgtgcaa cccaatttct agcaggccat ggtctatggc 540
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ttggaggtga ggtgaaaggt agtgggagga agggaagccc agtgtatgtg tgagtgggtg 660
tgtgtgcttg tgtgcctgag tgagggtggg tgcttctcca 700

```

<210> 807

<211> 700

<212> DNA

<213> Homo sapiens

<400> 807

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agtgggagga	aggggaagccc	agtgtatgtg	tgagtgggtg	tgtgtgcttg	tgtgcctgag	180
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aggcaccagg	caaaactgga	agggatggga	tggaggatgc	gtggatggaa	actattaact	360
ctccctgggg	atgggagggc	cgaggctttg	ctctagggga	gggggcagta	gagttgggcc	420
ttgaagagt	agtaggagtt	tgctgagcca	tgacaaaaga	agaaaggcat	tttgagcttc	480
agaggtctga	gggctatgaa	aaggtggact	agctcagagg	atgctggact	ggactgtctg	540
ctgtagcaga	ggaggtgaga	caaagtagtc	agcagcccga	ggtcagagag	gctttaaatg	600
ctagtgggag	gaccagggac	tccatcctga	gggccccgag	gtcagagagg	ctttaaaacg	660
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<210> 808

<211> 700

<212> DNA

<213> Homo sapiens

<400> 808

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tccatcctga	gggccccgag	gtcagagagg	ctttaaaacg	ctaggcagag	gaccaggaac	180
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ccccctcctg	gagagagact	ctgatgtccc	ctgtctcagt	actgggaccc	tgggccatac	600
aaaccttgtc	ctatgaggac	cctgtcccaa	gcttttcatg	gtcgactaca	ctcagggccc	660
ctgggcagac	gaggtgggct	gggggactgg	gtagaggctg			700

<210> 809

<211> 700

<212> DNA

<213> Homo sapiens

<400> 809

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cctgtcccaa	gcttttcatg	gtcgactaca	ctcagggccc	ctgggcagac	gaggtgggct	180
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ggctgctgta	gttgcctgca	ccctgaaggg	gtggagctgt	tgatctcggg	gtagcctatg	360
gtggcagggg	gcctcttggg	tggtagtctt	tgttggggga	aggggttatt	gcatgtcatg	420
ggattaaggt	gagtaggcag	agctagtggg	tctgtgggtg	ccagtgggag	agtcgagttt	480
ctgcgggtga	gtgggagtga	gaggtggggg	ccaggggccca	tggctcccgg	tatttttcca	540
cccactcctg	tgcttaataa	tgcttccctg	ctttcctggg	tgccagtcac	cctctcctct	600
cccacctatg	actgggtggg	gctgggacca	agtcagcggg	ggcaggggtg	gcaggcaagg	660
gcagactcct	ccaccacccc	accctatctt	ggtgtggtct			700

<210> 810

<211> 700

<212> DNA

<213> Homo sapiens

<400> 810

gaggtggggg	ccaggggccca	tggtcccggg	tatttttcca	cccactcctg	tgcttaataa	60
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tgcctccctg ctttcctggg tgccagtcac cctctcctct cccacctatg actgggtggg 120
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agatcacagt cctctctgga ggaaaagact aatgccagtt cttcccaagt gagtccctag 600
attcagggca acctggtcac agttcagagg tttgcttttc cagagcctga ggcattgcagt 660
ctcaacttct gacaactgga aatgtagagg aatagctttg 700

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<210> 811
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 811
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ggaaaagact aatgccagtt cttcccaagt gagtccctag attcagggca acctggtcac 120
agttcagagg tttgcttttc cagagcctga ggcattgcagt ctcaacttct gacaactgga 180
aatgtagagg aatagctttg acaggtttgt aaatgaccaa caaggaggag agattggcta 240
ttaaactcca acacagtagt aattatacat taacagggaa atagatcaga tgaccagaat 300
ccagtaacaa agattcgtac aaaattagga aaagtctcta ccaatcatta agaagaagtt 360
aaataagcct tggaaaaaaa tcatgaaggg tttggggtaa cttacacaag aactgctctt 420
ttgagagtga ggaccactct gttcccttag tgctaggcac ccagcaaaaca caccataaat 480
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caggagcaca aggaaatggg tactgtctcg tgctgatgat gaatgtgaat tgataacagt 660
ttttttgtga tttgcgatag cacaaaattg aaaacagcac 700

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<210> 812
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 812
tcaactggtaa tcagagaaat gcaaattaaa acaaacgcat atgacatttt acttaacaga 60
ctggcaaaaa tgaaaaaaga aacataatat cctgagctgg caggagcaca aggaaatggg 120
tactgtctcg tgctgatgat gaatgtgaat tgataacagt ttttttgtga tttgcgatag 180
cacaaaattg aaaacagcac aaatgtacgt tactctgggc tcgctaaata ggcactaaat 240
aaaacgagtc agtttcttct cccgagcaag taaactagag ggtagatcca cgcgacccgg 300
agtctaggac acatcctcgg gagtgaacag ccacaattca cagacgatgt gtgcagccgg 360
ggcatgaaaag gcccaaggca aaccaccac gaggtaaacg ccgggactct gaggagaggg 420
gtggaagccg ggacttcgag gaggggtgga attgacttag agacaggagg gagcctcttg 480
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tctggaaatt taagcgcgcc ccctgggtgg ggagagagga aggggaagaa aaggggtct 600
cggaggagaa taaagtgtct gtgggtggaa gaaacctgga acagaaaatg ccagaaaaac 660
ctggaacaga agtgcagacg gcccgcggcg gccccggtga 700

```

```

<210> 813
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 813
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ccctgggtgg ggagagagga aggggaagaa aaggggtct cggaggagaa taaagtgtct 120
gtgggtggaa gaaacctgga acagaaaatg ccagaaaaac ctggaacaga agtgcagacg 180

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gccccgcggcg	gccccgggtga	tctccacact	caatcacccct	ctccagggga	gcgatcgctc	240
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ggcctttctc	gccccagct	cacctttgca	cacacagttc	ccccgtgcag	agtttgtgcc	360
tccctcatct	cttagttctc	agctaacact	tccccgacc	ccaccaggt	catacctcct	420
gtcgtcgcgc	cgcacgcagc	atcccagacc	tcaccttcgt	attactagag	ctggcccgtt	480
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cctgctcact	actgcaccca	gagcctagga	catgcctggc	acctaagcag	atactactgt	600
actcgggagc	catgcatggc	ctgcgcagga	gggtggcagg	ccaggtgaca	ggttcaaggt	660
ggagcagagg	agctttatta	gagggacagg	gtgaaacata			700

<210> 814
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 814						
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cactcgggca	gcccctgcag	gccgctcagc	ggagcgccca	gcttgctggc	cgtgggcttg	660
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<210> 815
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 815						
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ggaacgggtt	tggcgggcgt	gggtgagggt	gcagcgacag	gggggtggaga	gggaatcagg	360
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ctcccgagc	atcctgtaca	cctcgagacc	caggtcgatt	ctgcagtccc	ggctccgcgg	660
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<210> 816
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 816						
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accctctggc	ctccagccat	tccttgttca	ccccaccccc	accctgctgt	gctgtgccag	660
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<210> 817

<211> 700

<212> DNA

<213> Homo sapiens

<400> 817

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tccttgttca	ccccaccccc	accctgctgt	gctgtgccag	gtggtggatg	tcagttggct	180
tcctctgctt	cggcatctct	ggcctgtgg	gctcagccag	ggaagggatt	tctggggaag	240
ggctggggct	ggggactgg	tatgcccctg	cagaaatgag	aaacgtcctt	ggaaagtca	300
acacaaaaac	ctgggcagct	gagactcagc	ctgggcttgt	gagccctgca	gtggttctgc	360
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ggctgaagct	caagagtgcc	attgtgaggt	cagccccttc	tgggcctaca	cctgtccccc	660
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<210> 818

<211> 700

<212> DNA

<213> Homo sapiens

<400> 818

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gagtgtcctg	aacctgcccc	ctcagccatg	aggagagggc	agtatctctg	tgtgtgtggg	360
tctgagtggg	gactggggat	ctttgtccct	gcagagtcca	gagctgtgca	gttcccagct	420
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acatacaact	aactacatgc	gcatgggttac	agagacttgg	agccagcact	ggtcaccctg	600
ggaatggcca	tagtggcctc	catagctgag	actgggctag	tagccagagc	agcctgattt	660
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<210> 819

<211> 700

<212> DNA

<213> Homo sapiens

<400> 819

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agtgtgggtca	gagagccag	tgtggacagg	aaaggatgcc	tatcgtagt	ggaagaaccc	300
tgggttggac	ttaggaagct	ctgaggcata	gttgagcctg	tgggttctctg	ccctgagtac	360
cccctgcttt	ttgtaggggtg	ggaacctggg	gaacaggcag	accagcagtt	gggtggggcc	420

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ccctccattt cccccacccc aacagacaaa caggaggggtc ttgctgcccc ggtggccccc 480
atcaatgcag cagcaacagg aaaaccccta tccacatcag gcccaacaaa agcccctgag 540
aaacgtgagc gctctcacac gtgtgtctgt cgggcaggca tgcaggcagg gctgacctct 600
aatggggacc agatgggctg tggccagtgg gggtaggggt cagcctccgg gcagaggctt 660
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<210> 820
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 820
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tggccagtgg gggtaggggt cagcctccgg gcagaggctt tggtgggagg gaggagtggg 180
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tccactgcag ggccatcaga gccactgccc ctcccacggt caccatgca gctgcctctc 300
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ggttatcccc taactgggca agtctcttca cctctctgaa cctgtttctt tatctatgag 420
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tctgagaacc agcctgctgc ccacttggtt gttgaagcct cagtggattt ttcagcagga 660
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<210> 821
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 821
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gaggtcagat tctagctctc tgctgggtctg gggaggacag gctgagtgtg caaggactgc 300
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tgtgccaggg caccttgctg tggctcctagg gccaaactgt gtttcctcct cctcgatggc 600
tccagctagc tccacccctt ccccaacacc cccactcagg cagaggggtg gagcagcatg 660
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<210> 822
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 822
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ccccaacacc cccactcagg cagaggggtg gagcagcatg ggacaatgg gccctgtgtc 180
tgtgttagca aggactcagc cctgcagggg tgggggtggg gtgtttttgt caccaccat 240
ggagcccata acccttttaag tacaaaagtg gggcagcagc tgaggggctg ccctggtgct 300
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tacctctgag ggaggctggg cctcatgcat gagcttgagg cccacacctt gctgctcccc 540

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tctgcctggc ctgtggcaaa cctggctcat ttgtctatgg caacatgtac ccctacccct 600
aaggctctggg gtccatgggg ccatcagagc aagtttctga gacacagatg tggccatgaa 660
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<210> 823
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 823
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ccatcagagc aagtttctga gacacagatg tggccatgaa tccctgtaag aacagctgag 180
gtccaggata gagaagccca agagcctttc tgtggccctg ctccaccacc tcatctctca 240
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ccttgactcc ttgtctgagt catgtgacta ctctgggctc ctttggcccc tggcttcccc 480
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ggtagatagt gagggagaag ctggggcaca tcttccctc tgggtcagtg aagcctctcc 660
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<210> 824
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 824
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ccagccaggc agggtaggga atagagcaag atgggattgg ggtagatagt gagggagaag 120
ctggggcaca tcttccctc tgggtcagtg aagcctctcc ctgccttggc cccttttctt 180
tcatgttgag agggtaggga aaggcaggcc caggaggcaa tgggtcccaca tgcctgggtcc 240
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acttctttct ggtctggcat cactgagcac cagagtgaac tccagctggc tgtgtgatag 660
ccgcaaacca aggcctagcc cagatcctgg acatcatagg 700
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<210> 825
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 825
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gctctgggct gtgccttgca ggtagaagaa caccactcca gtgctttccc ctgtaccaca 660
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atggtgactg ttgtggcaat gagccacaac tctagctgcc

700

<210> 826

<211> 700

<212> DNA

<213> Homo sapiens

<400> 826

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ggtagaagaa	caccactcca	gtgctttccc	ctgtaccaca	atggtgactg	ttgtggcaat	180
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gtctgcccag	cccagatggg	aaacaggcca	ttaggaaatt	cctgcttcgc	catagaaacc	600
aaaagccaaa	caccactcag	gagggagaaa	aacatcataa	acctgccata	agcagggcag	660
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<210> 827

<211> 700

<212> DNA

<213> Homo sapiens

<400> 827

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ctccaactca	ccccacgaag	cctcctgagg	cttctcaagg	tctcattact	gacctagcag	360
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agtccctgtc	tctagcccc	tcaaccaggc	tcccaagtgg	gtaccctaac	tcacagctct	600
aactgtggcc	tctatctact	cagaactcct	ctgggataaa	gctgggacat	cttgtgtggc	660
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<210> 828

<211> 700

<212> DNA

<213> Homo sapiens

<400> 828

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cagaactcct	ctgggataaa	gctgggacat	cttgtgtggc	tatttggcct	tcaacttccc	180
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gagggcagat	agggaagctg	gtctggggta	gaaccctggg	agtgagagca	cagggtagct	660
cactccagcc	agctcaacag	gctgattttac	tgcagagccc			700

<210> 829
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 829
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<210> 830
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 830
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<210> 831
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 831
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 tgctgaactc caaagatgga gcatcctcac cgtgtgccag ggccaagcac aaacagggt 180
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 agggcagctg aggggctggt aggtagatc agcagccaag 700

<210> 832
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 832
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ccagggcaga ggtgtgggcc acggtggcga cagctgtggc agggcagctg aggggctggg 180
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gaggggaaag gaatgaaaca aatgcccag aggtcttatt aggtcttatt tcagttgcct 480
gcaacacttg ccataagtgc cccaacacac ttctagtcta agttaaaagg ggatttcttc 540
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tcacccaaaa tgccagctgc ccataactgc ccacctcgtc 700

<210> 833
<211> 700
<212> DNA
<213> Homo sapiens

<400> 833
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caccaggag ctgaggcaga gaggtgtgt gaagctgggc tcacccaaaa tgccagctgc 180
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catgagctct gtgctctcac cattgatggc ctggatcagg tctcctgggc acagggcagc 360
caatgcagcc ttgctgccag catggacctg cgagcagaca agccagatgg ctgggcacag 420
tcatgatatg gtcttctgctc aagctgtgcc ctaggcctcc tccaacctca gaacctagcc 480
agtgtggcct gctaccagca tggcctgtgg atgggcaagc cgagtggctg gttgaggtcc 540
ccatgtagcc tggctgcagc cttgctggaa acacctccaa ctccagcacc tggaggcctg 600
gcagggcatg aggatataca agaagggtt cctcagggtt gggacaaatg gatgttgttc 660
ttgcagcctg cgtatgtgcc caaggacatg caggggacac 700

<210> 834
<211> 700
<212> DNA
<213> Homo sapiens

<400> 834
tggcctgtgg atgggcaagc cgagtggctg gttgaggtcc ccatgtagcc tggctgcagc 60
cttgctggaa acacctccaa ctccagcacc tggaggcctg gcagggcatg aggatataca 120
agaagggtct cctcagggtt gggacaaatg gatgttgttc ttgcagcctg cgtatgtgcc 180
caaggacatg caggggacac agagacacat ggagacatag gtgctcacag atacatacac 240
agcatggaca tatcacagat accctacaca gacaaggccc caaccagaca gactacacac 300
cttgacctaa tattcaaacc cttagtgaac ttgccttcct acttgcttga tttcaactct 360
catccccacc tccacaccca cactctgtcc agaccatgtg aatgtctatg ggggtgctcac 420
aggcaccata tatcactcac ctctacactt ctgcaaaagc tgctccctcc acctggaaca 480
ttcctttgac tccacatccc tcatccttca gatctcagca tagaggccac ttctctggg 540
agcctctctg ggatctcact acccagtgtg ctcccatgac caccttttcc ccctacactg 600
ttcatgttaa tacttcatta taattaaaat gggaaggtct gaacatcacc tccctgagca 660
agtccagggc catccagttc cagctgacag cctgcgtttg 700

<210> 835
<211> 700
<212> DNA
<213> Homo sapiens

<400> 835

```

tcaccccttca gatctcagca tagaggccac ttccctctggg agcctctctg ggatctcact 60
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taattaaaaat gggaagggtct gaacatcacc tccctgagca agtccagggc catccagttc 180
cagctgacag cctgcgtttg ggggtcagaa ttctacctct acttcccctg caggacagga 240
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agctcttaca atgctggtca actgaagaag gctagaatgg ggggtggagt tagactcaca 360
gagatatcta agtaagcaac tcaggggaat ccaggccatg gagcaccctt caccctgcct 420
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ctgggttcaaa agctgccagt gaccccatc ttttgggtgg gagctcctac tgggtgggaac 540
tcctggaagc ccagctaggc tcagttcagc caggtctcag tagtgagtgg acaaagctga 600
ggtgctggca gctccttggc tggaggcctg gtgttggcac tgcccaagct gacctgcct 660
gaagtaggct gcctcaagga aacgttcttc tgaagcatga 700

```

<210> 836

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 836

```

gaccccatc ttttgggtgg gagctcctac tgggtgggaac tcctggaagc ccagctaggc 60
tcagttcagc caggtctcag tagtgagtgg acaaagctga ggtgctggca gctccttggc 120
tggaggcctg gtgttggcac tgcccaagct gacctgcctt gaagtaggct gcctcaagga 180
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accctccctt caaggccatc ctctgcctcc tcccttccat ggatacctgc cctgtgccag 360
ggcctgggct ctatgcttta ccataacta gctcacagca accctcaac cactggtga 420
ggcagaggct gttctcatcc ctattttaca gatgaagaga aagaagcttg ggggagggat 480
gccatgcccc agtccccaca ctggagagga gtctttcttc agggggcggc taactgcggc 540
aggatgactc agccagcaca aggggtacat tcaggtctct gtgggcggag gaagtttctt 600
gaaagcagtg gtggctggga tgctgccagc tctattgagc taggggagtt ctggtcagag 660
agggcgtgag gcccaagaaat tgtgactctc ccagtcacct 700

```

<210> 837

<211> 700

<212> DNA

<213> Homo sapiens

<400> 837

```

ctggagagga gtctttcttc agggggcggc taactgcggc aggatgactc agccagcaca 60
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tgctgccagc tctattgagc taggggagtt ctggtcagag agggcgtgag gcccaagaaat 180
tgtgactctc ccagtcacct ttacatgcat tatctcatta atcctgaagg caagccatt 240
tcctagatca ggaaacggag gtccagagaa gtacagaagg atagttaatt gataaaagac 300
tgaatcaaga tttcaatcca ggccacctga ttccaaattt aaaactatgc tcttaacacc 360
tgcatTTTTT ttccaaaggg ggtaaggga aagagagtat ctgagggaga gatagtgttc 420
caggcagaag gaccagcatg tataatggca tatctggaga gaaagaagaa ggaaggttgt 480
atggccggag catcatgagt gagggagagat tgggagagat gaagtcagag aagaggcagg 540
gatcagatat tgcagagtct tgtaaccccg ggtgggaagc tggcatttct cctgggtggc 600
tgggaaccat ggagggtctt aagcggaag tcacaggaca gagtggattt caggccgatc 660
cgtctagctc ctaagcacag gataaacaga aagaaggaaac 700

```

<210> 838

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 838
gaggggagag tgggagagat gaagtcagag aagaggcagg gatcagatat tgcagagtct 60
tgtacacccg ggtgggaagc tggcatttct cctgggtggc tgggaaccat ggagggctct 120
aagcgggaag tcacaggaca gagtggaatt caggccgatc cgtctagctc ctaagcacag 180
gataaacaga aagaaggaaac agagacagga acagtgaagt caggtgggag gtgagggcat 240
gaatcagccc cttaccggta gtggctgcat tcccagcccc tgctccaccc agcctagatg 300
tgggtgggctg ggagtccaag tcagaaccag gtgccacatt gtcctacaca gtcacagcaa 360
actgcagact gcctggattc ctctgtctc cactctgctt ctctgggttg attacattag 420
cctctctgtg cctgggtctc catctatgta aggccagagg gagtccctac ttntaaaggc 480
tggttgaagg actattttgag aaaaacaggg catgtaaagc cccacagga ggctgggcat 540
aaggtgggtg tcactacagg gactggaggg agctgttacc aacacccatt agggtagggc 600
ctggcacacc ctggatgctt ggccaaggcc agccatcatt atagcttgtg ggggaaggagc 660
cccggatgat gttcttggga ctcttgagg cttcatgggc 700
```

<210> 839
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 839
aaaaacaggg catgtaaagc cccacagga ggctgggcat aaggtgggtg tcactacagg 60
gactggaggg agctgttacc aacacccatt agggtagggc ctggcacacc ctggatgctt 120
ggccaaggcc agccatcatt atagcttgtg ggggaaggagc cccggatgat gttcttggga 180
ctcttgaggg cttcatgggc tgagattgca agccccagc cctgccgggc cgatagcctc 240
ctccctgtct gtgtgaggct gtccctccct accaggtccc gcgtagggga ggtcctggaa 300
gcaagggagg ggctggatct tgagccccac tgggtgaagac actcccacat atcttcagtc 360
cctgtagacc tgccccagag gtacctgcta ggcaagctgt ggccctgtgc tccccagcgc 420
tgtaaatctc cccagatccc accaaaaccc aacctcagcc atcctggctc cttgggcctg 480
agctgctgcc gcgtgacttt gggggacaaa ggaggctctt cctggcaaac cttctcccag 540
actgcctgcc tggggcctgc atccccagtc agctccaaac aaggctgttg ctgctgctgc 600
tgccgcagcc gcagctgtga cgtgtggagg ctttctctcg gagggcaggc agccgcgtg 660
gcaacagatg tctcagctcc ctgccgcctg cagccgtcag 700
```

<210> 840
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 840
gggggacaaa ggaggctctt cctggcaaac cttctcccag actgcctgcc tggggcctgc 60
atccccagtc agctccaaac aaggctgttg ctgctgctgc tgccgcagcc gcagctgtga 120
cgtgtggagg ctttctctcg gagggcaggc agccgcgtgg gcaacagatg tctcagctcc 180
ctgccgcctg cagccgctcag ccgccgccag tgagcctgtc agcggcctca cgcacagggt 240
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cacaagcaga cacaggcttg cgtacacaca cacacacaca gcaggaatcc 360
tataggaaaag aggagatgaa aggtcttggg atgtgttgaa ggcccacctc actcggcccc 420
agggacctgg cagtgagggc agatgtggga agcctcctag gacagctggg cctgcctgtc 480
accctggccc ccagaaacgg gattccatga ttccacgctc cacctggtgc ccacccctc 540
ccaagaactg gacagaagtc tcttaaagcc cagccggctt ggcccagccc ccatggcaag 600
aggtggcagt aggttggggg aaggtgcttc tctgtgcctc tgacacaggc ccccaaagac 660
aagatcagcc tgttgtgggag caagggatgg ccgtcagatg 700
```

<210> 841
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 841
gattccatga ttccacgctc cacctggtgc ccacccctc ccaagaactg gacagaagtc 60
tcttaaagcc cagccggctt ggcccagccc ccatggcaag aggtggcagt aggggtggggg 120
aagggtgctt tctgtgcctc tgacacaggg ccccaaagac aagatcagcc tgtgtgggag 180
caagggatgg ccgtcagatg gtttcagggt atctcctctg ctccctccag actgagagcc 240
gccaagggca gggcctgggt tctctcctct tctgtccctt aggtctggga cccccaaggg 300
cagggtctga gtccctctct ttggccctcc agacacgagg atgtcgaggc tgggccagga 360
tctgtctctc cctagacagg caccocctcg aacagggcct gaggcacctc ctccactcct 420
ctatcctcag actagccacg ctccagggtt gtgcgggctc cttttccttc tctgtgggca 480
aggcagggcc ctgggaaact tgaggaacgg gcctgaggct gtccctggccc ccggctttgt 540
gtcatcttgt ggggaggggt ctcaaacct cacagttaag tctccctttc ccctggaagc 600
caaaattcct cctgggcact tccccttagg gtgactgagg tctgtaatga gagactgact 660
cacgccc aaa gtggaagtg gatggacctc tgtcttctca 700
```

<210> 842
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 842
tgaggaacgg gcctgaggct gtcctggccc ccggctttgt gtcattcttgt ggggaggggt 60
ctcacaacct cacagttaag tctccctttc ccctggaagc caaaattcct cctgggcact 120
tccccttagg gtgactgagg tctgtaatga gagactgact cacgccc aaa gtggaagtg 180
gatggacctc tgtcttctca gattcagcga ggaccccgaga cctccctggg tcaccaagct 240
ctgccggcag ggacccctga taggggaagg ggggctctaa atcattttgc cccagatctt 300
caggcagggg gtgagtctga agagtctctg ggcctctgta gagctgtcta gaccctggc 360
ccatctccgc gggtccttcc cgggtccaca gtggctcccc cagatgaggc cagcggggag 420
gcggtgctgt gaactcttgg gagattcttc gcgggatcgg gcagacaggc ccagcgtggg 480
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cccaggccaa ccctccgcct tcaagcctcg gatacacagg ggatctgggt cccgggcgga 600
ccgcgagaa cgggtctcag acatgggacc gccctgccgc cacgcagccg ccagactcac 660
ccgtgagatg gtgagggggc cgctgaagtc ccggccgccc 700
```

<210> 843
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 843
ctgcctctgc ctggaagccg cctctacagc atgcggggcg cccaggccaa ccctccgcct 60
tcaagcctcg gatacacagg ggatctgggt cccgggcgga ccgcgagaa cgggtctcag 120
acatgggacc gccctgccgc cacgcagccg ccagactcac ccgtgagatg gtgagggcg 180
cgctgaagtc ccggccgccc accaggcgga agccccaggg cgaaggcccg cgcagggtca 240
cggaatgggg catcgcgggc tggagccgca gccggagcct gagccggact ctgaggagcc 300
gcccgcggcg ccgcccgcct gacgcccgcg cccgcccccg gcccgcggcg ccctgtcccc 360
actcggccca gccccgcgcc ccgtccctg tgcgcctgga ttggccccgc ggccagcccc 420
accctccac ttcggggggc tctgaggacc cgccctcagc cccggtgccc ggcaaccg 480
cacccccact cagctctcag agatccccgc gttcggagcg ccccgacggc ctggatcctg 540
ctcgggcctt ggatctgcag gccgcggacc caaaccagc tgtcgacacc ggccctttga 600
```

```

agtcgctttt aggggcggtg ctccagccng aggagggatg gagggccac ttgggggatg 660
gggctgcccc agctcagata cctcctcatg ggcccgactg 700

```

```

<210> 844
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 844
agatccccgc gttcggacgg ccccgacggc ctggatcctg ctcgggcctt ggatctgcag 60
gccgcggacc caaaccacgc tgtcgacacc ggccctttga agtcgctttt aggggcggtg 120
ctccagccng aggagggatg gagggccac ttgggggatg gggctgcccc agctcagata 180
cctcctcatg ggcccgactg gcacacctgc ggcccatcct gccgtgtgag gagccctctg 240
aaccaagaac cctatgaacc aggggcttgc gcagcactgg gccggggacg cagacccaaa 300
acgacagcag gcagcgccga gcgtgggagt ggacacagaa aggtcctcag actagtttgt 360
ggaggccagt aaggcttctt ggaagagggt gtccctgact tgtatctgga agcaagggtg 420
ccctgcttcc ccagaacatt caggccttct cttgctgctt gcaggctcct cgcaggccac 480
ctccctgtct gcacagcccc ctccctctgt cttttgccag gagatttggt tccccaggtc 540
tcctgagaaa gtagcagctg gagcggctgg ggtcgtggct gtgcagtgtg aagggaagaa 600
atatatgcag cgcttcactt tgggcccttt tctctccaag gtcttctctc cattcccaac 660
cattatcctc cggggatgta cttgaacagc caatgcagat 700

```

```

<210> 845
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 845
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gagcggctgg ggtcgtggct gtgcagtgtg aagggaagaa atatatgcag cgcttcactt 120
tgggcccttt tctctccaag gtcttctctc cattcccaac cattatcctc cggggatgta 180
cttgaacagc caatgcagat gccatggcac caccaacctc cctctgggtc tctcggcact 240
tctatctggc tacatcaggg agacaccttt tacttttcca gactctgtgg aggtctctca 300
tttagcccaa atccttaacc ttatgtgtcc ttttagtcaa gctgtgataa ggacctgct 360
cttgggtccc tcacaggtgg tgggatgaaa tgtgtccact ggggtctctga caaccgcaa 420
agaggagaac tgcttgagaa gcacaaacct agggcagtc aaggaaggga ggggcccttc 480
anagttagaat gtgggtgcct ctgtaggagg caagatgctg ctatctgttc agctgggaga 540
gaaacaagtg gtgtgtggta gcggtgttta tatgggagtg tatttggggg gtgtgtgtgt 600
gggggggtgc ggtgtctgaa tccattagag caccagccat tgggctgttc tccatcactt 660
tgtggtggag gaggtttctg ctcagcccct tgcagacttg 700

```

```

<210> 846
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 846
ctgtaggagg caagatgctg ctatctgttc agctgggaga gaaacaagtg gtgtgtggta 60
gcggtgttta tatgggagtg tatttggggg gtgtgtgtgt ggggggggtg ggtgtctgaa 120

```



```

tccattagag caccagccat tgggctgttc tccatcactt tgtggtggag gaggtttctg 180
ctcagcccct tgcagacttg gatcccaagt gaagaaaggt ggaagggcca gcaggagagc 240
tggtcactgc attgtctctc tgaggctctg agggcagaag ctcccagga cttagaccct 300
actaaatggg gtagagagta aggggcagcc atcacttatc actggctgtc ctgaggggtt 360
ggtgtacagc atggcttgtg gtcagaggcc tgtcagctgg gctccaagag tcctagttaa 420
tgtaaacagt gcagaccttt tctgggggga agggatcctc aagggtctgt ggaagcttcc 480
acccaatgta tcccaaagtg aattcctgaa actcctcttc atacattgct tgtttcccc 540
gatttcacat cccaaagact gcctacactc cttgcctcca tcctgaaatt ccttcattac 600
ccgtttactt ctgtccgggg gaatgtgaag tggctctcct gaatatgacc ttcttgcccc 660
ctgagtctct gggcagtgtg atccatctcc aaaggcttct 700

```

<210> 847

<211> 700

<212> DNA

<213> Homo sapiens

<400> 847

```

aattcctgaa actcctcttc atacattgct tgtttcccc gatttcacat cccaaagact 60
gcctacactc cttgcctcca tcctgaaatt ccttcattac ccgtttactt ctgtccgggg 120
gaatgtgaag tggctctcct gaatatgacc ttcttgcccc ctgagtctct gggcagtgtg 180
atccatctcc aaaggcttct atcacaagtt tggaggtgga ggtgggggtg ggactctgga 240
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ttggaatgat gcaggatccg ggtccaggcc agtcattccc tcacatgagc tcatgttgac 360
atccctgact taagagaaca tcagaggctt acttctgact gtgccttccc acaggggaga 420
tgccagggtc ggttctgtac ctggagtttg ggggtggccc ttcttagggg ccatgctgta 480
aaccactca taaggtaccc tgagttctag gcagcaggct agacaagctg cagattctat 540
ggcttctcca gctctcccga aagttcttta aggaagccct cagatttcct tttcccctgt 600
aatggccttg gtccttggag attgctgtat tgctgagacc ctatcatgct ggaataccaa 660
gtcataaggc agtcacaggg tctggaagcc ctcttcaggg 700

```

<210> 848

<211> 700

<212> DNA

<213> Homo sapiens

<400> 848

```

tgagttctag gcagcaggct agacaagctg cagattctat ggcttctcca gctctcccga 60
aagttcttta aggaagccct cagatttcct tttcccctgt aatggccttg gtccttggag 120
attgctgtat tgctgagacc ctatcatgct ggaataccaa gtcataaggc agtcacaggg 180
tctggaagcc ctcttcaggg tggggatgtg tgggtggccag gtcacacatc acccctgccc 240
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gactgcttat ttcatgcatt cttcttctct gcataagtag gtattgagta ctgagggatg 360
ggtccaggta tcatccataa gggcagaggg tgtgtctgtc ttatttattt gtgtctctcc 420
agcaccgccg agagaacttg gcacacacaa ggcattaaaa aacatttgct attaacaaca 480
ccacagttac aggaattatt atcttagctt accctttgga catgaccagc agggacgcag 540
ggagggcata agggggctta ggaaggtgaa gaattctgct tctgttgcc tccagggcac 600
acccagtggc tcagggcacg atgccaggc cttctgtatg cagccaggct tgtccaaggt 660
caggagaagt cactgtgctc tttcctcaat gggcaggcag 700

```

<210> 849

<211> 700

<212> DNA

<213> Homo sapiens

<400> 849

```

atcttagctt acccttttga catgaccagc agggacgcag ggagggcata agggggctta 60
ggaaggtgaa gaattctgct tctgttgcc tccagggccac acccagtggc tcagggcacg 120
atgccaggc cttctgtatg cagccaggct tgtccaaggt caggagaagt cactgtgctc 180
tttctctaat gggcaggcag ggctggcagg ctccagcagg agcagacacc cttgggaatg 240

```

```

ctgttggggc tgagcctaga ataagaggga aggattggga caagaacaac ctcaggctaa 300
gggtgaggtc aacctggagg acaatccagg agagtggcca gaattgatgt agccctgagt 360
ggggagggtg ggtggagctg atgaggcagc ccatatttga ggataccttc ccgtgaggcc 420
ctggggggcta gccagagagc tcagctgctg acccgctcct cctggcctg gtggcctcag 480
gtctctaggt agagtctgct ccattctggc tcagctcctg gagggccaaga catctctcct 540
tcaaggccca gccccctctc cccagccaag agcctggatt ccaaggggat ctaaagcctt 600
gcttgggagt tccatcttcc tggaatgccc agtccacagt actgaccact ccagggcctc 660
agcaaacagc cagagagaac tttagatgcc ttcatttcag 700

```

<210> 850

<211> 700

<212> DNA

<213> Homo sapiens

<400> 850

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ccattctggc tcagctcctg gagggccaaga catctctcct tcaaggccca gccccctctc 60
cccagccaag agcctggatt ccaaggggat ctaaagcctt gcttgggagt tccatcttcc 120
tggaatgccc agtccacagt actgaccact ccagggcctc agcaaacagc cagagagaac 180
tttagatgcc ttcatttcag tgtgacctgt ctgggtccagc tccaccaga tgtctgctct 240
cttagaagcc tgctgggtcaa ggccaggaac tcgaatgggt gagaggaagc agtctgtggt 300
gggcacagct ggatagaggg ggccagcgtgg gtctcctgca gggctagaac tgcgccttag 360
agtgacaggg agttaaggca ggccactgt aggcaggggt caagggtctt gcaaggggta 420
gaggcagcca caggcatggg caccaggcaa catccaaaag gaaggctctga gacagtacag 480
cctgtgaggt gggctggggg ctgatgcca gcatatcctg gaaggacagg actcagtcag 540
gaggcaacaa aactgggtcct ggagccgtgg ttgggttcagc agaacacaca ggggagggcg 600
tgctgtggc aaagggcgtt tcccagctct agttttgtgc cattcaatcc ctcaacaaac 660
acttattgag tgctgtctct atgtccagcc cagacctggt 700

```

<210> 851

<211> 700

<212> DNA

<213> Homo sapiens

<400> 851

```

ctgatgcccc gcatatcctg gaaggacagg actcagtcag gaggcaacaa aactgggtcct 60
ggagccgtgg ttgggttcagc agaacacaca ggggagggcg tgctgtggc aaagggcgtt 120
tcccagctct agttttgtgc cattcaatcc ctcaacaaac acttattgag tgctgtctct 180
atgtccagcc cagacctggt caactaacct tggagtgtgg tggggattct ccaagctgcc 240
acacctctct aggggctgag atgctggagg ctccagaggg ggtcagtcctc tgaggatcca 300
aacagggaca aagctggctc tgccaactgg gaccagtta ctggccctga gccagattcc 360
agggcgagca caagagcaga accaactctc ttcaggaaac tgagcctggg ggaggtgtgt 420
gaccaccaca cgctcacaca gtttcaagtg gtaggtctgg ggttttagac cctgtgttg 480
tgcttttgtg ccattgtgct tgccccaggg acagatgtgt ctgagctgga cctgcagtc 540
ccatcagcac cctgtcaga cctgtctctt ctctgttttc acagagaaaa ccagtctgct 600
ctgggaccca acaaaggggt tgccaggcag cagggcgggg acaggtttac ctgctgggc 660
ccagagaggg cctggccctg aggcctgggt gtagaaagg 700

```

<210> 852

<211> 700

<212> DNA

<213> Homo sapiens

<400> 852

```

tgccccaggg acagatgtgt ctcagctgga cctgcagtc ccatcagcac ccctgtcaga 60
cctgtctctt ctctgttttc acagagaaaa ccagtctgct ctgggaccca acaaaggggt 120
tgccaggcag cagggcgggg acaggtttac ctgctgggc ccagagaggg cctggccctg 180
aggcctgggt gtagaaagggt gttgggagga gtggcatctc acacgggtgg ggtggggggg 240
gtgggagggg gaaggcagct gacaggtggg agagccagag gtggctcagc gcagccccag 300
caggaagtg acagaacagg ctgtttgtgg tggcagcgag gcccatgtga tggagccttg 360

```

```

tgcaactggg gcctcaggaa ggcagcttgc aaaagcatca cagcctcacc tctgcctcaa 420
ggagaccccc atcctttcac ccctccact tctcattcag gccagaggat tcgggcagcc 480
tgccggccat cccttagtct cccccagcat cagatgtccc aagtctacct gtagtccata 540
aatagaggcc caaccaggt gtcttcaggt ttccagtttc tctgacagc tggagccttc 600
ccttagtctt gcctcttggg gtctgtgagg agaagggtgcc tccatttaca aatcagctcc 660
tccaggcaga gcagcagagg gattgcagag caactgtacc 700

```

```

<210> 853
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 853
ccccagcat cagatgtccc aagtctacct gtagtccata aatagaggcc caaccaggt 60
gtcttcaggt ttccagtttc tctgacagc tggagccttc ccttagtctt gcctcttggg 120
gtctgtgagg agaagggtgcc tccatttaca aatcagctcc tccaggcaga gcagcagagg 180
gattgcagag caactgtacc atgtgtctcat tctacgccct ggacctagaa tgtcttggcc 240
gtggcctgac catcactgtg cctggacaaa agcaggggtg taaaaacctt tctttctcag 300
cccagagagg agagacgctg ctataagggtg caggtaaggc ttgagcaaaa gtgcagggtt 360
gacaagaagg agacggacat acatgcagcc cagaaattca gttactgggg ctctccagac 420
atactctgtc actcatctgt cagctggggc ctggactcat ggcccagctt tagccctgcc 480
ccagcgcaca catccacaga cactcaaatt tagcagtgc ctggccagga ctgtctgggtc 540
tctggcctga ggccccctct tctcttcttg accactagaa ctgacatcca gggctactca 600
gaaggcagga gaggcccatg ctacttccat atttcttctt cccatccttc tttttttttt 660
tttttaatag cagctagaac gagcttggag cactttcata 700

```

```

<210> 854
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 854
cactcaaatt tagcagtgc ctggccagga ctgtctgggtc tctggcctga ggccccctct 60
tctcttcttg accactagaa ctgacatcca gggctactca gaaggcagga gaggcccatg 120
ctacttccat atttcttctt cccatccttc tttttttttt tttttaatag cagctagaac 180
gagcttggag cactttcata ttctacgtt cccaataaaa taaaaaagga agaatgtga 240
aaatagtggt tcaagaatta tggcatttgt tacttctgct ttgtttattt attcatcaga 300
tatttttgag agcctcctat gtgtcaggca ctgttttagg cctcagtgtt aaactattaa 360
gttttattta tttatttact tatttattta ttgttattat cttttaaaaa gagacggggt 420
ctcactatgt tgtccaggct ggtctcaaac tctggggctc aagcaatcca accaccttgg 480
cctcccaaaa tgctgggatt acaggcatga gccactgtgc caggccttaa gtctttataa 540
tacatattta aaatggatag cctcatttgg aaataacttc aaagatttaa attccagtct 600
tcttggttct tcgtctcagg agggaccccc ataactcctg atgcccagta ttttctcact 660
ggtatagatt agacctctgt ctcttgatcc tgaggggtcc 700

```

```

<210> 855
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 855
acaggcatga gccactgtgc caggccttaa gtctttataa tacatattta aaatggatag 60
cctcatttgg aaataacttc aaagatttaa attccagtct tcctgggtct tcgtctcagg 120
agggaccccc ataactcctg atgcccagta ttttctcact ggtatagatt agacctctgt 180
ctcttgatcc tgaggggtcc tgggggctgt gattcagatt ggcagagggt gtgaagctct 240
cctcaggagt ctggctagca taggcctgtc gctagcctat cctccctgcc ccatccttct 300
tatctcttac gattggccct ctccccgca gtgccagctc ctttagtcac tgattggtct 360
tggtgaagtg ccctgccccg tggtgcccag cactgcccag tggtgactga gtcacaggct 420
ggcggggact gttcaggctg acctcacctc caggcctggc cataggacgc cagctgtggc 480

```

```

cactgggtat gagcctggcc gcctgtgttg ctgggagagt caggcagagc catgtcgccg 540
agtccagtag ctgccagctg gccgagaggt ctgggaatcc aggtgcaggg ggccataggg 600
attaaagtcg gaagagccag atccaggcct gtgagggtga agctgggctg aggttgctgg 660
aggctcttga gagaatggat tggagcaggg cccatgagtc 700

```

```

<210> 856
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 856
gcctgtgttg ctgggagagt caggcagagc catgtcgccg agtccagtag ctgccagctg 60
gccgagaggt ctgggaatcc aggtgcaggg ggccataggg attaaagtcg gaagagccag 120
atccaggcct gtgagggtga agctgggctg aggttgctgg aggtcttga gagaatggat 180
tggagcaggg cccatgagtc agcctcatgt cctgggtggc tattttcttg gcttctaaga 240
aaatcaaaat tctttctcac ttccctccc aagactaggt ccatagctgt gtagattcag 300
gatcagcagt gtggagttgg aggcagagct ttcattggga gtgggactga aatcctcaca 360
ccctgcacct ctcataccca ccgcgaatgg taagagcatt cacaggactt gagcttccag 420
caagaggatg cctgatcaaa ttgtttgccc cctgtgaaat caccatatta atgggaagat 480
aggcttgctt aggaacaacg gagtttgtgc ctctcctgca ggagaaacca ggagctctaa 540
gagaatgtat aatgagaact tctatgtgtg gagagttaaa caagaagctg tctcatccca 600
gggaagatga acagaaaatg gcggatctgg gcttgaagtg cacacagtgt tggaaaaggc 660
cccacctaag gctctaggac cagcagtcct tgagaagtag 700

```

```

<210> 857
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 857
gagtttgtgc ctctcctgca ggagaaacca ggagctctaa gagaatgtat aatgagaact 60
tctatgtgtg gagagttaaa caagaagctg tctcatccca gggaagatga acagaaaatg 120
gcggatctgg gcttgaagtg cacacagtgt tggaaaaggc cccacctaag gctctaggac 180
cagcagtcct tgagaagtag ctgtgtgtag gattaagaca agctgactgc ggagagctgt 240
gacattgggc attcaagcat gaagcattgt tggcccagag aggtgcaca agcattctcc 300
ctcagagaac catggtgttc cagagccaga gagagatgga gagcttccac aatccttgtg 360
aagatctgtt atcctaacac caatatatcc cctttaagaa aatggtggcc cctgtgaaat 420
tgtcaatata gcaaatgggc tcccataata tattgaaaca ctattaccac cttggggatt 480
ctttttcaaa ttacaagctt gatttaatat aaaacgtaat gattaataca ttagattaaa 540
agaagaaagg aatcttgtaa ttatctcaaa aggcatgac aaaattcatc agccattcac 600
acgataaaaag ttagaaaacc atgaagagag gaaatgttct tcacatttta aagaacagat 660
ataaaaaacc aaaagccagc attagattta acagtctaga 700

```

```

<210> 858
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 858
gatttaatat aaaacgtaat gattaataca ttagattaaa agaagaaagg aatcttgtaa 60
ttatctcaaa aggcatgac aaaattcatc agccattcac acgataaaag ttagaaaacc 120
atgaagagag gaaatgttct tcacatttta aagaacagat ataaaaaacc aaaagccagc 180
attagattta acagtctaga aagttctatt aatgggagaa tccaatgtcc tcttctactac 240
tggtgttcag tggtgctctg gaagtcctaa ccaggacaat agggtgaaaa gaagaaataa 300

```

```

gggagaagta aaggaagtaa gtaatagagt caaaatgatac attatttgca gatattatga 360
ttttcctttc ataatatcca agagaatcaa ttgaaaaaatg attatgacca gtaggagaat 420
ccagtaggag ggagcagagt agaataaatt aatatatgta tatagatttt aatagctttt 480
aagagtgcata agtcacaact gattggaaaaa tgtgatgaaa acaatttacc attcacgata 540
atgggtgaaac attaaaaata tctataaatg aattttgagt acatcaaaaag cctataaaact 600
cttttctttt ttatttcctt tttcttatac tagtggtggt gagaacanag ggcctatgaa 660
ctttgatcta tgatatattt aaaagaagac aanangtgtg 700

```

<210> 859

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 859

```

gattggaaaaa tgtgatgaaa acaatttacc attcacgata atgggtgaaac attaaaaata 60
tctataaatg aattttgagt acatcaaaaag cctataaaact cttttctttt ttatttcctt 120
tttcttatac tagtggtggt gagaacanag ggcctatgaa ctttgatcta tgatatattt 180
aaaagaagac aanangtgtg cacgcgtatg tcatgtgtct ataaaaatca ntatttttaa 240
tttattagta aattcaatgc aattccaaac aaaatttgtg tggggggggag gaattgacaa 300
gatgattcta aggatcaact gaaaagtaag tatgaaaaaa acccaciaat attggattaa 360
gagactaata aagtaagatt tgccctataa gaaagtatgc aatagagcta aaataattaa 420
gaatgtgata gcagcatagg aaaagacgaa tatgttagtg gaacaaaaga gagtccatag 480
catgagataa agaaaacatt ttaattcagg gaataaaaagg tagtttactc aataactcat 540
gttgggggcca tttactatta tgcataaaaa ataaggctat aattctatat gctatataat 600
ttccacacatt ataaagtaaa tcccaaattg attcatgatac tatatatattt aattttccca 660
atgtgaatgc ttttataaac tactcatatg ctttaccaga 700

```

<210> 860

<211> 700

<212> DNA

<213> Homo sapiens

<400> 860

```

ttaattcagg gaataaaaagg tagtttactc aataactcat gttgggggcca tttactatta 60
tgcataaaaa ataaggctat aattctatat gctatataat ttccacacatt ataaagtaaa 120
tcccaaattg attcatgatac tatatatattt aattttccca atgtgaatgc ttttataaac 180
tactcatatg ctttaccaga aatgactggt aaaaaaatat atagattaat atttttataa 240
tcatggtgct acggtttgaa tgtgtcccc agagttcatg tgttggaac ttaatctaca 300
atgcaacagt gttgagagggt gggctcttac gagtgataa ggtcatgagg gctctgcccc 360
caatggatta atgccaacag aggtggggtt gtatttgtgg gaatgtgtcc ttgtgaagga 420
ggagctcggg ccccttttgt ctctctcacc ctctagcctt ctgccatgga ataatgcagc 480
aagaaggccc ttgaaagatg ctggcacctt gatattggac ttctcagctt ccagaatttt 540
gagaaataaa tttcttttct ttataaatta ctcagctatt ggtattctgt tatagtaact 600
tgaagcagac taagacttga ggtgagaaa atctctttcg tgaagataaa tacttgaat 660
atgttttctt gttacatata gatttcaaaa atcagagaaa 700

```

<210> 861

<211> 700

<212> DNA

<213> Homo sapiens

<400> 861

```

ctggcacctt gatattggac ttctcagctt ccagaatttt gagaaataaa tttcttttct 60
ttataaatta ctcagctatt ggtattctgt tatagtaact tgaagcagac taagacttga 120

```

```

ggtgagaaac atctctttcg tgaagataaa tacttgaaat atgttttccct gttacatata 180
gattttcaaaa atcagagaaa tatgctgcaa actgttggtta gtttttggtt ctggggatgg 240
tattttggga catttacttt ttctgagtta tatatttgta cagtgtttta atttcatata 300
aataaaatfff actgtttgta attagaaaaa tgaagataat aaaaaggaaa ataaagacaa 360
cagaaggaca aatactgctt cttatgtaag aaccttacaa taatacactt ccatttactt 420
ctcccttctt ttttgctaatt gttgttggtc gtttacctct gtatttgcta taaactccat 480
aataaatact cattatffff gctttaaaca gtcaactgtc ttttaagtaa tttaaaaaac 540
aagaaaacct attttctatt tacttgtag gtttactggt agcacttggt cttttgttta 600
gagctgaatt tccaacaggt atcaatgagc cacctcagca gagaaatggc ttatttccct 660
tcagccttaa gaacttcctt taggccatgt gcggtggctc 700

```

<210> 862

<211> 700

<212> DNA

<213> Homo sapiens

<400> 862

```

gctttaaaca gtcaactgtc ttttaagtaa tttaaaaaac aagaaaacct attttctatt 60
tacttgtag gtttactggt agcacttggt cttttgttta gagctgaatt tccaacaggt 120
atcaatgagc cacctcagca gagaaatggc ttatttccct tcagccttaa gaacttcctt 180
taggccatgt gcggtggctc atgcctgtaa ttctagcact ttgggaagcc gagacagacg 240
gattgcctga gctcaggagt tccagaccag cctaggcaac aacagtgaac ccctgtctct 300
actaaaatag aaaaaattag ccgggcatgg tggcggtgcgc ctgtagcccc agctactcag 360
gtggctgagg caagagaatc gcttgaaccc aggaggcaga ggttgacgtg agctgagatc 420
gcaccactgc actccagcct aggaacaga gtgagactcc gtctctggaa aaaaaaaaaa 480
gaaagaaaaa aaagaacttc ctttaacatt tccggtagta cagacggact ggtgatgaat 540
tctgtcagca tttttttaag atcccgaagt atttttatft ttcattcccc accctgtccc 600
ccaacctttt tttttttttt tttttttttt ttggagacag agccttgctc tatccccag 660
gctggagtgc agtggcacga tcttggtcct ctacaacctc 700

```

<210> 863

<211> 700

<212> DNA

<213> Homo sapiens

<400> 863

```

ctttaacatt tccggtagta cagacggact ggtgatgaat tctgtcagca tttttttaag 60
atcccgaagt atttttatft ttcattcccc accctgtccc ccaacctttt tttttttttt 120
tttttttttt ttggagacag agccttgctc tatccccag gctggagtgc agtggcacga 180
tcttggtcct ctacaacctc tgactcccga gttcagggtga ttttcatgcc tcagcctccc 240
tagtagctgg gattacagac acctgccacc acgcccagct aatttttgta ttttagtag 300
agacgggggt ttgtcatggt ggccagactt gtctggaact cctgacctca gctgttccat 360
ccgcctcagg ctcccaaagg gctgagatta cagggtgtgag ccaccgtgcc cagcctctca 420
ttcccccttt aaagataact tctctggata tagaatacta ggttgctttt ttttctcata 480
gattatttaa tatttaatat ataattccta taattttatt gtttctgtc ttgcattact 540
cctggtaaga aataaatggt gattctaata gttgtttccc ttatgtaatg tgcctatatt 600
cttttatcac ttctaagatg ttctatfttg ttttaagatt ttgactatga tgttcctaga 660
tgtagttccc ttgtttttat cttcttttga gttttaaaac 700

```

<210> 864

<211> 700

<212> DNA

<213> Homo sapiens

<400> 864

```

ataattccta taattttatt gttttctgtc ttgcattact cctggtaaga aataaatggt 60
gattctaata gttgtttccc ttatgtaatg tgcctatatt cttttatcac ttctaagatg 120
ttctatfttg ttttaagatt ttgactatga tgttcctaga tgtagtccc ttgtttttat 180
cttcttttga gttttaaaac cccagcttct tgggatggtg tattaataat tttttaaatc 240

```

```

aaatatagaa tttcatttac catttaaaag aatTTTTTTT gccccaatct ctttctcccc 300
tttccttctg ggactccaat tttatgtata tattagatta catgatactg tttcaagggtc 360
actttgttga ggctgtgttt gtatttttca gtccctttac ttttagatgt tttccatagt 420
cttgacttca agttcattga tcttttcatt tgtagcatcc agtctactca taagttttatc 480
tagtacattt tccattttgt atattgtatt tttcaattct agaattttca ttcagctcct 540
tttttatagt tttcatttct ctgctgagat agctcatctg ttcattttatt atctctatct 600
tgtaatttaa acttctttta catatttata atagctatct aaagtcctca tctgctagtt 660
ccaatatctg tgttacctct ggatctatct ctgttgatta 700

```

<210> 865

<211> 700

<212> DNA

<213> Homo sapiens

<400> 865

```

atattgtatt tttcaattct agaattttca ttcagctcct tttttatagt tttcatttct 60
ctgctgagat agctcatctg ttcattttatt atctctatct tgtaatttaa acttctttta 120
catatttata atagctatct aaagtcctca tctgctagtt ccaatatctg tgttacctct 180
ggatctatct ctgttgatta ttttttgtcc tgggtatgaa tcatattttc ctgcttcttc 240
atatgttttag taatgtttga ctgtatatta ggaattgtga atacttcatt gtttaagagtt 300
tggatcatgt ttaaagagtg ttgagtttgt tttattagat agtaaattca ctgagggtc 360
aatgtgagcc tgaggcttgg ttttaggctt tattatggca ggtctaagat actgctgatt 420
acaggcacag agtagcccta ttcttaaagc gtggactttc ttgggttttc attgagtgtc 480
caggggtgtc aacaaagtct tttcaccttg ttgatcagaa cagatctcag aatcatgagc 540
cctctagaat cccactttag ttcttagacc cagagaagtt ttttttgtgt gttttttgtt 600
tgtttgtttg tttggttgtt gtttttaatc cactaggcct tatggaatct tgctctgcat 660
gtgaggctta gacaaagcct caggagcacc tctgtatagc 700

```

<210> 866

<211> 700

<212> DNA

<213> Homo sapiens

<400> 866

```

tttcaccttg ttgatcagaa cagatctcag aatcatgagc cctctagaat cccactttag 60
ttcttagacc cagagaagtt ttttttgtgt gtttttgtt tgtttgtttg tttggttgtt 120
gttttttaatc cactaggcct tatggaatct tgctctgcat gtgaggctta gacaaagcct 180
caggagcacc tctgtatagc tttccagagc tccttctttg ttagctcctc tcttctttga 240
taccttatcc cacaaatttc agccacctca gcgtctgcta tctatgatct ttgtctcctt 300
cacatgatga gaccatttgt ctctctctct ctctctcttt ggagacaggg tctcactctg 360
ttgcccaggc tggaaatgcag tggcacgatt atggctcact gcagcctcaa cctcctggcc 420
tcaagtgate cttctgccta agcctctgga gtaactggta ctacaagtgt gcaccacaat 480
gcctggctaa ttttttaact tttgtagaga cagggtattg ctatgttgcc caagctgggtc 540
tcaaactcct ggcctcaagg gatcctcca cctcagcctc ccaaagtgtc aggattacag 600
acatgagcca ctgtgcctgg tgccatttgt ttctgggcac cacttcctta tgccatgggt 660
tggaagtat cctaggcaaa gcactttccc ttttgtttcc 700

```

<210> 867

<211> 700

<212> DNA

<213> Homo sapiens

<400> 867

```

tttgtagaga cagggtattg ctatgttgcc caagctgggtc tcaaactcct ggcctcaagg 60
gatcctccca cctcagcctc ccaaagtgtc aggattacag acatgagcca ctgtgcctgg 120
tgccattgct ttctgggcac cacttcctta tgccatgggt tggaaagtat cctaggcaaa 180
gcactttccc ttttgtttcc cttctctcaa ggacaaaggtc tatttgatgt tcaatgccta 240
taatcactgg ctataaatat ttcgagtttt atggttgttt acagtgggga gggaagttta 300
ttaccaactt atcagttatg gttggaacct aaggaaagtt tgaaaactaa aagaagaaag 360

```

```

aaaaggaaaa gaaaataggg acccttaatt caagatgtgg atctgatgtc ataaatgtct 420
aagagtctga gcttcacctc aaagcagctg ggccagttga gcataccctg ctgtagttct 480
ttctaacctg gcatacagaat tggactgaat aaaatgtaca gttctggcca ctatagcagg 540
ttgtgtcaga cttatccttc tgctgaaaac aactataaaa gttggacaaa atgtataaaa 600
caactatttg aaggcatttg agaacaacca atacagctaa gaattgagga gttgtgatcc 660
tgagaaaaag ggaataatgt gtagtgagtt ccacatttac 700

```

<210> 868

<211> 700

<212> DNA

<213> Homo sapiens

<400> 868

```

tggtactgaat aaaatgtaca gttctggcca ctatagcagg ttgtgtcaga cttatccttc 60
tgctgaaaac aactataaaa gttggacaaa atgtataaaa caactatttg aaggcatttg 120
agaacaacca atacagctaa gaattgagga gttgtgatcc tggagaaaag ggaataatgt 180
gtagtgagtt ccacatttac ctttgctttt tccctagggg catttcacac attgttactt 240
gagggaatag ggaccaggca gaaagcatca gtcttaccag actgaggata caaaggtcag 300
agttcagggc tgccgaagaa gatggaaatt aagaaggaaa attccagaag gtaggaaaga 360
agagagaagg agcccaataa ttgcatgcaa attcctccaa ctttattggc ttttttttga 420
gacaggggtc tgctttgttg cccaggctgg agtgtagtgg tgtgatcttg gctcactgca 480
gcctccctca acctcctgga ttcaagccat ccttccacgt cagcctccca agtagctggg 540
actacaggca catgcaatca tgcttggtc actttgctta tttttttgtg gagatgaggt 600
ctcactatgt tgcccaggct gggcttgaac tcctgggctc aagcaatact ccagcctggg 660
tctcctaaag tggtgggatt acaggcatga atcaccatgc 700

```

<210> 869

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 869

```

ttcaagccat ccttccacgt cagcctccca agtagctggg actacaggca catgcaatca 60
tgcttggtc actttgctta tttttttgtg gagatgaggt ctactatgt tgcccaggct 120
gggcttgaac tcctgggctc aagcaatact ccagcctggg tctcctaaag tggtgggatt 180
acaggcatga atcaccatgc ccaccctatt ggcctacttt tagcctatca ggctaaagaa 240
ctgagcaaat ttagtagtgc ttaaagtgtt ggggagacaa attggaattc aacttctatc 300
aaggtagaga ggccttggtg aatgcgtagg tgttctgcta agtcccagaa gggtcacaca 360
ctaggagaga gggtcacatc ctaggataaa gagatatgtc ctaggacaaa aaagaaccac 420
accagccaaa ccatgacata aaccaaagcc ttgacaggag tagggatatt atttggtact 480
ctgccttcca gaagtcaact taattctctc tttctggatg aatacaacat caccagaga 540
ctttccaact tttcatccaa aatgtgtgtc atctaataga gaagtatgag acatgctaaa 600
aaacaaaaca aaacncaaac aaaaaaacag ggccaaatga ctaaaaatca agagaaaagg 660
cagacaatgg aaatagaccc acagggtgtt cagaaatgag 700

```

<210> 870

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 870

```

taattctctc tttctggatg aatacaacat caccagaga ctttccaact tttcatccaa 60
aatgtgtgtc atctaataga gaagtatgag acatgctaaa aaacaaaaca aaacncaaac 120
aaaaaaaaacag ggccaaatga ctaaaaatca agagaaaagg cagacaatgg aaatagaccc 180
acaggtgttt cagaaatgag agacttccaa taattatgat gaaaatgttc aagaaaatag 240
agggaaagta aaaaaaaaaa aaagatgaaa agctagagaa tttaaatata gaattgccag 300
aatactgata aagatagcag ataggaggca ggactagctt gcagctcctg ctcagacaaa 360
cagagcagtg tgtggagact cacatcctga acttttgctc caagaactac tgcaggaaca 420
taccaggaaa gccaaagagaa tccacagacc ctttgaagga actggatcac tactgcaggc 480
tcctcgagat gcaaaaaaac tgtgagtctg catgttttct cagcaggagg ggtcatgggtc 540
tgggacaagt tctcagccct gggcactggc tacctggaaa tagactcagt actgttgtgg 600
ggccatgggt ggagtgagat tggcctttag gactgtgggt tgcacaggag cagggtgagg 660
cctgtgactg ccagctttct ccacttccc tggcaaacct 700

```

<210> 871

<211> 700

<212> DNA

<213> Homo sapiens

<400> 871

```

tgtgagtctg catgttttct cagcaggagg ggtcatgggtc tgggacaagt tctcagccct 60
gggcactggc tacctggaaa tagactcagt actgttgtgg ggccatgggt ggagtgagat 120
tggccttttag gactgtgggt tgcacaggag cagggtgagg cctgtgactg ccagctttct 180
cccacttccc tggcaaacct gtatgactca gcagaggcag ccacaatcac ccccgaggat 240
ataactccat cggactggga acaacacccc tatccccac agcagctgca gcaagccctg 300
gccaaagaga ggctgagctc tgaaatgcat atccctgccc ccacctgatg gtctttctct 360
acccaccctg gtagccaaag acaaaggctc taatctcttg ggagctctat ggccctgccc 420
accgtcttaa ccaggtgtcc ctagggcaaa tttgcattct ccttatagga ctgcagcaga 480
tgtgctcttg aaagcaccac ctctgcatg gaggccaaac aacacaaaac caagtaccct 540
cacagagtcc atttcactcc cctgctacct ccacaggagc aggtgctgggt atccatgggt 600
gcaatacctg aagatggatc atatcacagg actctgcaga cactccccag taccagcctg 660
tagcccagta gctcagctag gtggctagac ccagaagagc 700

```

<210> 872

<211> 700

<212> DNA

<213> Homo sapiens

<400> 872

```

ctctgcatg gaggccaaac aacacaaaac caagtaccct cacagagtcc atttcactcc 60
cctgctacct ccacaggagc aggtgctgggt atccatgggt gcaatacctg aagatggatc 120
atatcacagg actctgcaga caotccccag taccagcctg tagcccagta gctcagctag 180
gtggctagac ccagaagagc aaaaacaatc tctacagttc agctctcagg aagccccatt 240
cctaggggaa gggggagaa accacatcaa gggaacaccc catgggacaa aataatctaa 300
acaacagccc ttgaattcca gacctgccct ctgacatagt ctacctaat gagaaagaac 360
cagaaaaaca attccagtaa tatgacaaaa caaggttctt taacaccccc aaaagatcat 420
accagctcac cagcaatgga tccaaaccaa gacaaaatct ctgaattgcc agaaaaagaa 480
ttcagaaggt cgattattaa attaatcaag gaggtaccag agaaaagtga agtcctactt 540
aaataaatca aaaacatgat acaggatttg aaaggaatag tgtcaatagg gatggttagca 600
gttcttcttt gaatgtctga tagaattcca cagtgaatcc acctgggtcat ggattttttg 660
ttgttgttgg caattttttt tttttttttt tttttaagag 700

```

<210> 873

<211> 700

<212> DNA

<213> Homo sapiens

<400> 873

```

attaatcaag gaggtaccag agaaaagtga agtcctactt aaataaatca aaaacatgat 60

```

```

acaggatttg aaaggaatag tgtcaatagg gatggtagca gttcttcttt gaatgtctga 120
tagaattcca cagtgaatcc acctgggtcat ggattttttt ttgttggttg caattttttt 180
tttttttttt tttttaagag atggagcttc gctctgtcac ccaggctgga gtgcagtggg 240
atgaccttgg ctcgctgcaa cctccgcctc ccaggttcaa gcaattctcc tgccctcagcc 300
tcccgagtag ctgggactat aggcgccccg caccatgccc agcgaatttc ttttgatatt 360
tagtagagac ggggtttcac catgttgccc aggctggtct cgaactcctg agctcaggca 420
atccgcccac cttggcttcc caaagtgtca ggattatagg cgtgagccac cgtgcccagc 480
cagcaatttt taaaattacc atttaaactc cactgcttgt tatcggctctg ttgagagatt 540
ctatatcttc ctagtttaat ctaggagggt tgtatatctc caggaactta accatctcct 600
ctaggttttc tagtttatgc atgtaagggtc ttcatagtag ccttgaataa tcttttgtat 660
ttctgtggta ttgaagtggc ttcattgtct ggggaaatac 700

```

<210> 874

<211> 700

<212> DNA

<213> Homo sapiens

<400> 874

```

atttaaactc cactgcttgt tatcggctctg ttgagagatt ctatatcttc ctagtttaat 60
ctaggagggg tgtatatctc caggaactta accatctcct ctaggttttc tagtttatgc 120
atgtaagggtc ttcatagtag ccttgaataa tcttttgtat ttctgtggta ttgaagtggc 180
ttcattgtct ggggaaatac cctagggttcg tcttgcaactg agaagattaa caacacagac 240
acacacacgt gaagcagggtt aaggaggggg aagtttaata gacaaaaaag aagagagagt 300
gagctttctc atacagggca ggtgggatgc gatccatttt atagagaggc ttgaggaggc 360
gggtgtttgat ttacacaggg gccaggggatc tggtttgacc aggtgtaaat gggtacatag 420
cccgagaaga aattggccat cccaccttaa tcttttatta tgtaaatgtg acctctacct 480
gtccggtgcc atttgaacct tgattcctca ttgtaccaca cataaaatta atttaagatg 540
gatcatagac tgaactatga aacaatcaag cttctaaagg aaaccatgga agcatagttt 600
catgacctct gggtagggaa acatttctta aatgggacat agaaagcact agccaaaata 660
taaaagatta atatgttgga tttgtaagaa ttaagaactt 700

```

<210> 875

<211> 700

<212> DNA

<213> Homo sapiens

<400> 875

```

tgattcctca ttgtaccaca cataaaatta atttaagatg gatcatagac tgaactatga 60
aacaatcaag cttctaaagg aaaccatgga agcatagttt catgacctct gggtagggaa 120
acatttctta aatgggacat agaaagcact agccaaaata taaaagatta atatgttgga 180
tttgtaagaa ttaagaactt ttatttatca aaagatccta ttaggagaat gaacaagcca 240
aagcacagat tgagagggaa tatttgcaat acatatatcc aacaacaaac tcatatggag 300
aaaatatata gacttctaca attcagttag gaaaatgcag aaatcccaat agggaaatgg 360
acaaggactt gaacagtcac gtcacaagaa ataactaata aacacctaaa agatgctca 420
atatcaccag ggaaatgttc ttttaaattg caatgagata ttgctacaca cccacccaaa 480
tgactgaaat tggaaaagct aacaataaca aatgttgaca aagatatgaa gcaactggaa 540
ctctcattca ttgccattgg gaatgtaatt ttgttcatcc atttagaaaa atggtaatat 600
ctacaatagc tcaatatatg catgtcttat gacctaggga tttcactcct ggatttttat 660
tatattttaa taagtgttg tgcccaccaa aagacatgtg 700

```

<210> 876

<211> 700

<212> DNA

<213> Homo sapiens

<400> 876

```

aacaataaca aatgttgaca aagatatgaa gcaactggaa ctctcattca ttgccattgg 60
gaatgtaatt ttgttcatcc atttagaaaa atggtaatat ctacaatagc tcaatatatg 120
catgtcttat gacctaggga tttcactcct ggatttttat tatattttaa taagtgttg 180

```

```

tgcccaccaa aagacatgtg caaacatata caaaacagtt ttatttaaca tgactaaaaa 240
caacccaatg ttcacatcaaca aaaatggata aatttgtgta tattcaaacat atggaatacc 300
acatagcaat gaaaaagaat gaggaactat tacaacaag atagatggat atcacaacca 360
taatgtggag tataagaagc cgacccgaaa gaatatatat tgtataactt cactttttata 420
aagttcaaaa tctgacaaaa ctaatcaaaa gtgaacaaaag aaaaaatagt gcttaacttt 480
gggagagttt actgactatg aaaaggtaca tggagccct ctggtattct ggaaatagtc 540
tatattttta tgtgggaggt aattatgtga atttatatgt aagcaaaaaca cattgagctg 600
tatattcaga catgtttagt ttactgtatg ttaactgtat ctttaataagt aagtttttaa 660
acaaaagcac actggctgcc catgcctctc taccctgct 700

```

<210> 877

<211> 700

<212> DNA

<213> Homo sapiens

<400> 877

```

aaaaggtaca tggagccct ctggtattct ggaaatagtc tatattttta tgtgggaggt 60
aattatgtga atttatatgt aagcaaaaaca cattgagctg tatattcaga catgtttagt 120
ttactgtatg ttaactgtat ctttaataagt aagtttttaa acaaaagcac actggctgcc 180
catgcctctc taccctgct agtggggatt cgtgaggccc gaagaggag atactattaa 240
tagctttcca gtgtatagaa gatgggctca tattcgacc cctagtttat ggagcagggc 300
ataccaattg caggtcacac atggaaccca ttcatgcatt ccttcttct ctctctgcat 360
gccactattg gttcccaaaa tcaaagaggg cttccagggt gacctgtgtg tttggccttg 420
ggggcttgtg acaataaact ggggagatgc attagtgtgc taaggctgcc ataacaaaat 480
atcacagcct gagtggttta aacaatagaa attcattttc tcatagttct ggaggccgga 540
agttcaagat taagggtgtc tcagggtggg ttctgtgtga ggcctctctt cctggcctgt 600
agatagatgg ccaccttctt gctatgtcct cacatggcct catctttgtg caaatgtgga 660
gagatacaac tctcttgtct cttcctcttc ttacaaggac 700

```

<210> 878

<211> 700

<212> DNA

<213> Homo sapiens

<400> 878

```

aacaatagaa attcattttc tcatagttct ggaggccgga agttcaagat taagggtgtc 60
tcagggtggg ttctgtgtga ggcctctctt cctggcctgt agatagatgg ccaccttctt 120
gctatgtcct cacatggcct catctttgtg caaatgtgga gagatacaac tctcttgtct 180
cttctcttct ttacaaggac accagtccta ttcaagtaag tcttcacccc tgcgacctca 240
cttagccttt atcagcttta ttaacctttt tataggtctt atctccaaat gcagtcacat 300
ttaggtaagg gcttcaacat atgaattttg aggctatgca attcaatcca cagaaggagc 360
tgatttactt ttacaccca tgtcaatttg gccccctcca cccactgat ctgagagcat 420
ttctggggg tcacctcagt gtgttctgca acaatcctct gcctctgagc cagactgaca 480
gctctgccct gccaccatt gctacttctg ctgtccatgg ctctgggagg cctctgctct 540
gctggaagta tcatctgtgt ttgtcaccac tggggagaga tgctgtttac tggtgatacc 600
cccagcccag tccaatggt ggtggggtgt atactctctc attaggcact tccctctact 660
tcctaaacac agcaaggccc agagagggat gaggccctgc 700

```

<210> 879

<211> 700

<212> DNA

<213> Homo sapiens

<400> 879

```

gctacttctg ctgtccatgg ctctgggagg cctctgctct gctggaagta tcatctgtgt 60
ttgtcaccac tggggagaga tgctgtttac tggtgatacc ccagcccag tcccaatggt 120
ggtggggtgt atactctctc attaggcact tccctctact tcctaaacac agcaaggccc 180
agagagggat gaggcctgc ctggccaccg taggtctccg tgggaatgag ccattccctc 240
tcccaggctt tgctcattct atctcctctg ctgcaatacc attctcccag acctccaaca 300

```

```

cttccccctgg ctgactatgc agggagaccc acacctcatc ctccctacctg accactcggc 360
aagtgagtcct ccccttctgt agtctccctc agcctctgcg attcaccgtc aattttcttca 420
tctgtgcctc ctctccccc ataaaaacaa acaaacaaac aaacaaacaa aaaacaacat 480
gagctccatg caggcagggg gtttttctga ctcatctctg tgtccctggg taccaggac 540
tggacacaag ggaggtgtca ggggatgtct gttgactgac tgaatgtgag taagtgaggg 600
tgtagagggg tcctgaagcc ctaggctgag tgaccaagta tggaaaccct gcttgccaca 660
cttcagcatg accaaggcag ctggtcttct ccttcaaagg 700

```

```

<210> 880
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 880
gtttttctga ctcatctctg tgtccctggg taccaggac tggacacaag ggaggtgtca 60
ggggatgtct gttgactgac tgaatgtgag taagtgaggg tgtagagggg tcctgaagcc 120
ctaggctgag tgaccaagta tggaaaccct gcttgccaca cttcagcatg accaaggcag 180
ctggtcttct ccttcaaagg cagtgtgag gcttgacagg tcatagagcc aggccttcat 240
gtctaggctg cagacagctt cctcaaagtc catctcctct tccctactga tcttttcctg 300
ctactcccca ttggttgaa ccaaccagaa gctgcagggc aggtgaacct gttgatgcta 360
tccatatagg tcagcagtc aagggcagag caggggaaag aggagacagg agaggagatc 420
tgggaagggt agcagatgac atctgtcaag tgttaggtta cacttggtac agggagagt 480
ctccataaat tagttgtcca atcacagaag catccagag catcatagaa acccagatga 540
ggactgcccc tcctgcttct ctggtctctc tcctccagga gctcctctcc acagagccag 600
gatattctgg gtatgttcag agttcaaggt ctccccatct cctttcctaa cttcactgca 660
ttactagtcc ttggtgttct cttagggcta ctggtccta 700

```

```

<210> 881
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 881
atcacagaag catccagag catcatagaa acccagatga ggactgcccc tcctgcttct 60
ctggtctctc tcctccagga gctcctctcc acagagccag gatattctgg gtatgttcag 120
agttcaaggt ctccccatct cctttcctaa cttcactgca ttactagtcc ttggtgttct 180
cttagggcta ctggtccta tggcctgagg ctccacagc ctgaggcttc ccaaggctac 240
aagtcaactt agctgacct gaaggccct gatcactatg ggctgaggaa aggatctggg 300
gtcttcccaa tctcctcct gcctcctcag ccagtggagg tcccagcatt ggagtcattc 360
cccagggcct ggaaaacatc tctccttctc cgttgctcat gattatgcag gcctagtcac 420
aggtctcagc taaaccttgg cagggttgaa ggatggggca ccaagtggag gggctttttg 480
agcaaggctg gggctgtccc tttgagttag ccctgttgag ctccatgcac cctctggtgg 540
ccaacctcat ttttgcaact acagctctgg acaagaagga agcagctccc ctaaaaagat 600
tctcccagaa ggctcacac acctttgcc tgggacaaaa atagctgttg gtgccccagg 660
agagagtgca gagaaaattc cagaacttga tgagggcagg 700

```

```

<210> 882
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 882
tttgagttag ccctgttgag ctccatgcac cctctggtgg ccaacctcat ttttgcaact 60
acagctctgg acaagaagga agcagctccc ctaaaaagat tctcccagaa ggctcacac 120
acctttgccc tgggacaaaa atagctgttg gtgccccagg agagagtgca gagaaaattc 180
cagaacttga tgagggcagg gtgtcaacct ggcctacagc tgttgggtga ccactggtgt 240
caacctggcc tacagctgtt gggtgaccac tggggtgaga gggcagtagt tgccccaaa 300
attgcagcca ccaatgacag catctaacga cccagccagt ttgaggaagc catctttcca 360
ccttcaccac cttgatcatt cactcttcag ccaagaagat gtactgtcca agccatccct 420

```

```

tctcccatgg gctctgattt ctacagatga tagaggtaga catcttcctg attccaagtc 480
tgcaactagc tgggttcaggg tcagagtaag taataaggcc agagcctggg ccaaagtcaa 540
tatcaggctc tgggttcagag tcaagattaa gggcagagcc agaggacaaa ggacagaacc 600
tcctccttct catgtgaaaag gccagatcca cacgcttgcg tatgcatgtg aatccctctg 660
tgcgtgagca tataaatgtg tgtgtgtgtg tgcgtatgtg                               700

```

```

<210> 883
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 883
tcagagtaag taataaggcc agagcctggg ccaaagtcaa tatcaggctc tgggttcagag 60
tcaagattaa gggcagagcc agaggacaaa ggacagaacc tcctccttct catgtgaaaag 120
gccagatcca cacgcttgcg tatgcatgtg aatccctctg tgcgtgagca tataaatgtg 180
tgtgtgtgtg tgcgtatgtg tgtgtgtttg tgggtgagag ccctcttact agaggctatg 240
gccaagttgc tctgtttttc aggcactaga agctcagggg ttatcaagct tctcacaggt 300
ttatgcaaat gtttgaacaa tgaaaaaaat atagaaagct ataaaaaatg taaataactaa 360
atatagtaaa tgtaaacagt atgtcatagt catagtcaac tgaagttcag ccatgttctt 420
gtgtgggtcaa gtttaaaatg tttttatgtg ggatgtgggt gtgtggaata ggtttcatgt 480
ggaaatgaggt agtcagacc tttggaggaa tgagtgcctt ggctccttg tgggtgggtaa 540
gagtcaccagg gcagtgtact gcagggccac aaggcagggc tgactagcaa gttcaaatgc 600
tgggtgtctac tgaaggggag gggagatcag agctgcaact ggagctgaca ctagcagggc 660
agttgagggc aggaaagagg ccacaggagg gtttagggtc                               700

```

```

<210> 884
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 884
tttggaggaa tgagtgcctt ggctccttg tgggtgggtaa gagtcccagg gcagtgtact 60
gcagggccac aaggcagggc tgactagcaa gttcaaatgc tgggtgtctac tgaaggggag 120
gggagatcag agctgcaact ggagctgaca ctagcagggc agttgagggc aggaaagagg 180
ccacaggagg gtttagggtc cttgagacag gagtgagcag gcctcagcca caccagtgat 240
tcaggctttt gtgattatgt ggtagcagac tgggattagg gctagccact gacagctcat 300
gtgggtgattt tttttttttt tttttgagac ggagtccttg tttgtcacc aggctggaac 360
gcagtgtcgt gatccttggt cactgcagg tctgcctcct ggggttcaagc gattcctctg 420
cctcagcctc ccgagcagct gggactacag gcatgcacca ccatgcccac ctaatttttg 480
tattttttagt agagatgagg tttcgccatg ttggccagggc tgggtctcggg cttgaactcc 540
tgacctcatg atccacccac cttggcctcc caaagtgtg gaattacagc tgtgagccat 600
cgcgtctggc caattttttt ttttaattag caaaagatac tcccttttca attcacttta 660
tttccatcta ctgaaaactt attgtaatga ctatgcacat                               700

```

```

<210> 885
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 885
tttcgccatg ttggccagggc tgggtctcggg cttgaactcc tgacctcatg atccacccac 60
cttggcctcc caaagtgtg gaattacagc tgtgagccat cgcgtctggc caattttttt 120
ttttaattag caaaagatac tcccttttca attcacttta tttccatcta ctgaaaactt 180
attgtaatga ctatgcacat ctatgatggc tgccatgtaa atggagacat cattgtgcag 240
tgcaccaatt gagcaatggt tgattgggct aggatcactc atggatagat tcatggacac 300
cagtcttgct cctgaaagga tataaggtgc cttacaaaca agtttcatta tagcaaagtg 360
aagtacattc atttaaaaaat agagagaggc agcctgggca acatggcgag acctcgtctc 420
tataaaaaata aataaaaaat tggccacgtg tggtagcgtg tacctgtggg cccaccagag 480
aggctgaggt aggaagattg cttgagcctg ggaggctgag gctgcagtga gcctctgaac 540

```

```
tccagcctgt gttcgtacac tgcacttcag cctggagaga gtgagaccca aaaaaaaaag 600
tgagtctcaa aaaaaaagtg agtgagtctc aaaaaaaaaa aaaagaaaga aagaaaaaagg 660
agaggaaggg tggcaccagg agagtttgtg ctgaaactgt 700
```

<210> 886
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 886
cttgagcctg ggaggctgag gctgcagtga gcctctgaac tccagcctgt gttcgtacac 60
tgcacttcag cctggagaga gtgagaccca aaaaaaaaag tgagtctcaa aaaaaaagtg 120
agtgagtctc aaaaaaaaaa aaaagaaaga aagaaaaaagg agaggaaggg tggcaccagg 180
agagtttgtg ctgaaactgt cattaatgt gtggttacct cgcaatgaaa ggagtctcgt 240
at ttgaggaa gccagacact gtgattagga ttccatgtca gcctgaaacc cagaagagtg 300
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gccactaatt tccttttagca agggctgctc tagggtaaca gggctgaggg ggcttggatg 420
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<210> 887
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 887
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<210> 888
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 888
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acaccatggg gggcctgccc tggacttgct gtgtaattgc agttcctgaa ggtcttggca 660
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700

<210> 889

<211> 700

<212> DNA

<213> Homo sapiens

<400> 889

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aatgtaccga	agaatacaga	tgtgtatcca	catatacaat	gccctctgtg	tggcattggt	660
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<210> 890

<211> 700

<212> DNA

<213> Homo sapiens

<400> 890

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gagccattgg	ccagggatat	tgcttaggga	cagcatggag	gtagagcctc	atttggcaat	600
gccctggcca	tgctgggggtg	aaaggctcata	ggccatgcct	gatcttgagc	ctaggaaggg	660
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<210> 891

<211> 700

<212> DNA

<213> Homo sapiens

<400> 891

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<210> 892
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 892
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 gccagaccct atgctagagc tggagacaca gtgatgaaca ggttagaggc agtccccagg 180
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 acagcagggg tgggaagaag taagtgaact gagagagatc 700

<210> 893
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 893
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<210> 894
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 894
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 caaacctccc tggattacct gggtagacct cccaatctgc 700

<210> 895
 <211> 700

<212> DNA
 <213> Homo sapiens

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<210> 896
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 896
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 gtctccttac tgagatcata tccgtagtgt cctcttttgc ttatttgttg gaggatttcc 480
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<210> 897
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 897
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<210> 898
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 898

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<210> 899

<211> 700

<212> DNA

<213> Homo sapiens

<400> 899

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<210> 900

<211> 700

<212> DNA

<213> Homo sapiens

<400> 900

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<210> 901

<211> 700

<212> DNA

<213> Homo sapiens

<400> 901

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<210> 902

<211> 700

<212> DNA

<213> Homo sapiens

<400> 902

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<210> 903

<211> 700

<212> DNA

<213> Homo sapiens

<400> 903

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<210> 904

<211> 700

<212> DNA

<213> Homo sapiens

<400> 904

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cactaagcta aagagagtag ggcagcaggt gaaaaagcca caggctgccc caggaaggcc 60
caggccactg gagaccacag ctagaacctt caaccatgtc ccgagactgc tcggccttgc 120
cctttggatg cttgggcaca gcaggaagga agtgataagg gtgcctccac tgctggatgg 180

```

```

ggcgtgtctg tcagtcacatc ttccccccgc tgtctgccca gcaagaccag gggccacccc 240
caggtgtctc ccaggggatt agcagcttgg ttccccagcc cacacccta gaagctctga 300
ccctatggca acagcacccc ctgctggcta atatggaaaa ccaaccctt tccctcctct 360
agcaggcgga agtttagggg tcttgagaa agagaagggt gcaggcaca tgctgcggga 420
aagggtgggg gcaggaattc aggatggact ttggctatgg cagataagca ggtgccacct 480
ggtaaacaga gcacctattt cctgatcagt agcctttgaa cagatgccag agaggccagg 540
acacaagcaa aggcagaaat gggggtttct aaggtaactg ctgagcgagg ctggctctcg 600
tgggagtccc tgccctctcc tacagcatca tggcccagga aggcctgcat cctctgttga 660
gcactgttct cctcaggtgg gctcaggaac tccctcagat 700

```

<210> 905

<211> 700

<212> DNA

<213> Homo sapiens

<400> 905

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cctgatcagt agcctttgaa cagatgccag agaggccagg acacaagcaa aggcagaaat 60
gggggtttct aaggtaactg ctgagcgagg ctggctctcg tgggagtccc tgccctctcc 120
tacagcatca tggcccagga aggcctgcat cctctgttga gcactgttct cctcaggtgg 180
gctcaggaac tccctcagat tccccctgag caagccacct ggccccacag aggatttggc 240
ctaggactga aggctgagag ctaggcctga gacagggtag tgccccaggc acccaaaaa 300
gaggatttgt ccctaaaatt cctcccgcaa ctatccaagg ctaggaatag aggcagggac 360
acatcagcag aacaaaatct cagagcgtcc ctgagcagct gcctggctct tcagatgcaa 420
acctggttag acacacactt ctctgagct ctaggcccat ggctcaggca caaggaccac 480
ctcggagtgc tggatgaggt gccagtgga cagaggagtg agaggacca gtgtatgcca 540
ctttgaccct tcagctgtga gccaggaagt ccaggcagac acagccacaa gcagggccat 600
gccctgggca gccacttccc agaaaagttt ctgccgcaaa acagagagag tggccttccc 660
tgccctgcat gaccctggca cctggagtcc tcacctcaga 700

```

<210> 906

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 906

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gccagtgga cagaggagtg agaggacca gtgtatgcca ctttgaccct tcagctgtga 60
gccaggaagt ccaggcagac acagccacaa gcagggccat gccctgggca gccacttccc 120
agaaaagttt ctgccgcaaa acagagagag tggccttccc tgccctgcat gaccctggca 180
cctggagtcc tcacctcaga taagaagcca gtagttctag gattttactt acatcatggc 240
tcttgattac agtgaagacc ggggccttgn cctaccacag ggaaacttct ctcccgggcc 300
aatggtgtgg atggctgctg ttctcttatg actcagtgtg ggctgggtgc tcaggagagc 360
tgctccttcc catgccctgg atgtgagctc agcagccatc ttgattcacc aggacaatgt 420
gagctccaca caccaccctc agaccctcac ctaccgggct ctcagggaga gatgaggcct 480
cccggagagt ccacaaagag aaaaaagcgg cttggctgcc aaaactgccc acgcacccca 540
gatgccatgc tcagctagca gccctgggtgc cacacagcct gagagcaggt gggagccata 600
gatgcaacaa gctgtcatca ggcaggggag ggctgggctg ccatgctgag gctggtgggg 660
tgggaaaatc aacttgcagc caccaggaag tacaggagca 700

```

<210> 907

<211> 700

<212> DNA

<213> Homo sapiens

<400> 907

```

aaaaaagcgg cttggctgcc aaaactgccc acgcacccca gatgccatgc tcagctagca 60
gccctgggtgc cacacagcct gagagcaggt gggagccata gatgcaacaa gctgtcatca 120
ggcatgggag ggctgggctg ccattgctgag gctggtgagg tgggaaaatc aacttgcagc 180
caccaggaag tacaggagca gagtaaaca cagttgaggt caaaagggtc caatttcctt 240
ggacaagcag gcctcaagaa ggcctctgag ctgcaactgc aactgtattg tattcttgtg 300
tgtgttctgt gtgaacctaa caccctcgcc ggccaaggga agccccttgg ccctcccttg 360
ggtggcagcc aacactagga ccagagaagt ggcagttgtg tcataaagtt cccaagacac 420
ttctggagga atcaatcttc ttttttagtc ttctctgctc attttttctt gtcattttcc 480
tgtatgtata tcttttcctt ctctcttcta gccagaaat gcttattgac cactgggtggc 540
ctattgggag tggattactt gacacattca catttactct gtgcccagat gctaggcaca 600
gaagtaggtg ctatgggcac aggcattcga caagaattta ttgagcccat actatgtgcc 660
agacatggct ctagacccta aggatataga aatgaataag              700

```

<210> 908

<211> 700

<212> DNA

<213> Homo sapiens

<400> 908

```

ctctcttcta gcccagaaat gcttattgac cactgggtggc ctattgggag tggattactt 60
gacacattca ctttactctt gtgccagat gctaggcaca gaagtaggtg ctatgggcac 120
aggcattcga caagaattta ttgagcccat actatgtgcc agacatggct ctagacccta 180
aggatataga aatgaataag gcaacacccc tgctcttatg aaactcatat accggtggag 240
gcagacaaca cacaataaaa caaggaaagt gtcacatcgt gataattatt ctgagaaata 300
aaatagcatg atatcataca gactacagag gtggtcacat tagatttggc actctaggac 360
tgtctatctg aggaggtgac attttagttc tctaagtgc agaggggggtg acaatgtgca 420
gaacaagggg aagtgcattc caggcagagg gaatagctag tgccaaggcc ttgggaaaag 480
aacaagctca gtctgtttgc aggaaaagat tgggtgtggc gcagcatggg gggcaaggag 540
gtgaatgata gacgatgaat gatagaacat gcagctcata aggtaggaag gggtcagata 600
aggtgggcat ttggggcctc tgatcagggg cttgggcctt atgcacaggg tgaaatgggc 660
cagtgtgcat tttacttatt tttaaacttt taagttttct              700

```

<210> 909

<211> 700

<212> DNA

<213> Homo sapiens

<400> 909

```

aggaaaagat tgggtgtggc gcagcatggg gggcaaggag gtgaatgata gacgatgaat 60
gatagaacat gcagctcata aggtaggaag gggtcagata aggtgggcat ttggggcctc 120
tgatcagggg cttgggcctt atgcacaggg tgaaatgggc cagtgtgcat tttacttatt 180
tttaaacttt taagttttct gtttttcatt ttttttagat gaaaaatgtt gtccaggctg 240
gtctcgaact cttgagctca agcattttatc ctgcctcagc ctccctgagta gttgggatta 300
cagggtgctc tcaactgtgcc tggctcagtg tgcatttttag aaagctcact ggctgctgtt 360
tgcaactggg gctgcagtg ggcaagtgtg gaaataagga gaccactggg gagactggag 420
taggagggat gaactagagt ggtggtgggt gcaatgatga gaatggggaa tgaacccagg 480
cagagtatag aggggaggac acacagagat gaataaaatg tgggtggctcc gaatgggaga 540
aaatatttgc aaaacatata tctagtaaag ggtatgtatc tagcatatgt aaagaatgct 600
tacaactcaa taaggcaatg catttttgtt tgtttgtttg tttgtttgtt ttttgagaca 660
gagtctcact ctgtagccca aactggagtg cagtggcacg              700

```

<210> 910

<211> 700

<212> DNA

<213> Homo sapiens

<400> 910

```

acacagagat gaataaaatg tgggtggctcc gaatgggaga aaatatttgc aaaacatata 60
tctagtaaag ggtatgtatc tagcatatgt aaagaatgct tacaactcaa taaggcaatg 120

```

```

catttttgtt tgtttgtttt tttgtttgtt ttttgagaca gagtctcact ctgtagccca 180
aactggagtg cagtggcacg atctcagctc actgcaacct tcgcctcagg ggctcaagcg 240
attcttgcgc ctcagcctcc tgagtagctg agactacatg cgtgtcacca cgctcagcta 300
attttttgtc ttttaagcag agatgggttt tcaccatgtt gcccaagatg gtctcaaaact 360
cctgaactca ggtgatctac ccacctcagc ctcccaaagt gctgggatta caggcatgag 420
ccactgcacc catcttgaca accaaatttt ttaatggaca gaagatttga acgaattttt 480
cgccaaaaaa ggatacgcaa atagtaaata cacatatgta aagatgctca acatcattag 540
tcattaggga catgcaagtt aaaaccacga tgaaatgcca ctacacatct acctggatgg 600
ctaaaatgaa aaagactaac tgtgccaaagt gttggcaatg acgtggaaca actgggatgc 660
tcctaaactg ctggtgggaa tgtaaaatat tcattttttc 700

```

<210> 911
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 911
atagtaaata cacatatgta aagatgctca acatcattag tcattaggga catgcaagtt 60
aaaaccacga tgaaatgcca ctacacatct acctggatgg ctaaaaatgaa aaagactaac 120
tgtgccaaagt gttggcaatg acgtggaaca actgggatgc tcctaaaactg ctggtgggaa 180
tgtaaaatat tcattttttc ttgacttttt aatagagata gggctctcagt atgttcccca 240
ggctggtctt gaactcctga gctcaagtaa tcctcccact ttggcctcca aagatgctgg 300
gataacaggc gtgagccacc atgcccagct gggaaggtaa aataatacaa ctacagtcac 360
gtgctgcata atgatttttg gtcaaggaca gactgcatat acgacaatga tctcatgaga 420
ttacaatact gtatctttac tgtgcctttt ctgtgttttag atatgcttag atacacaaat 480
atttaccctt gtgtggcagt cgcctacagt gctcagcaga gttacttgct gtacaggctt 540
gtaccctagg agcaataggc tataccacat agcctagggt tttggtagggt tataccatct 600
aggtttgtgt aagtacactc tatgatattc acacaaggac aaaattacct aatgaagcac 660
ttctcagact gtatccttgt tactaagcaa tacatgatta 700

```

<210> 912
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 912
cgcctacagt gctcagcaga gttacttgct gtacaggctt gtaccctagg agcaataggc 60
tataccacat agcctagggtg tttggtaggt tataccatct aggtttgtgt aagtacactc 120
tatgatattc acacaaggac aaaattacct aatgaagcac ttctcagact gtatccttgt 180
tactaagcaa tacatgatta cattggaaag caatttggca gtttttttaa tagctaaata 240
tatgcctatc atacagccta gccattcaat tccagggtatt tatccacaat aaaggaaagt 300
gtgtgctcac acaaagattt ggatatgaat gcttacagca gcttaatttg taatagccaa 360
aacctggaaa caacaaaaat gaccatccac aagacagtgg ataaatagct tatggtatct 420
acgcagtgga ttaccaccag gttccagggt taggtaagat aaagtaaaca tactccacc 480
tgtctcttcc actaagtga gcaatagaac ctgtacagaa tgtatgaagg actctgaaga 540
gtaaatagca gcagatgaat taggaaagaa aaatcagaat ttggagtacc acggaattgg 600
aggagtctcc catttttccc tctagtactc cctgggctag actcgaaaca gcctgaaacc 660
tggaagtgag cagcaggcac agacagtggg aatcccagag 700

```

<210> 913
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 913
gcaatagaac ctgtacagaa tgtatgaagg actctgaaga gtaaatagca gcagatgaat 60
taggaaagaa aaatcagaat ttggagtacc acggaattgg aggagtttcc catttttccc 120
tctagtactc cctgggctag actcgaaaca gcctgaaacc tggaagtgag cagcaggcac 180
agacagtggg aatcccagag ccctctagtt ctgctttgag gagtggggag ggaactccta 240

```

```

atgctcagaa agagtggagaa aataaccacc cccacgccac ctttttttct tttctccatt 300
ctctcatgcc tcagacctct ggcattcttg ttgcaatggc atgagaggac taaaggcacc 360
taaaattcta agggagagaa aactgtctgt tggacaagcc ccaagagggg ctccctcctt 420
cccccttct ctctctctct ctctctctct ctctctctct caatatctct ctccttttgc 480
cagttgaccc tagctgaggg cacagtcgca ggaagtacac agcagagcaa ggtagctaaa 540
actccagatt tctggccaga ggaccaaag gaggagaccc agggaaatcag aaagtaccag 600
ggagatcatg gaaagggagg aatgctggaa actgaaccca caaagttgtt tatgaattcc 660
tgggctcaac tccaaactga gcttgcatgg atctagcata 700

```

<210> 914

<211> 700

<212> DNA

<213> Homo sapiens

<400> 914

```

cacagtcgca ggaagtacac agcagagcaa ggtagctaaa actccagatt tctggccaga 60
ggaccaaag gaggagaccc agggaaatcag aaagtaccag ggagatcatg gaaagggagg 120
aatgctggaa actgaaccca caaagttgtt tatgaattcc tgggctcaac tccaaactga 180
gcttgcatgg atctagcata ccaaagactt gagaactgaa cctaaggata aacaccaccc 240
ttttctcaag ctgacctg gagggtgcac acacaggaca gatctaaaca gcactataaa 300
ggctttgaaa atggaacaaa cattgaaact acaatccaca gaaggctggg cggaacttgt 360
ggcccaaag cagctgcatt gattgcctgc taaaatataa acattaacac tctccacaat 420
gttcaaataa taccagagt ctcataaaat taaaatgtc caggatacaa aaccaaagta 480
tgatcttctt ggcctatgat aggaaaaatc tcattttgca tgggaaaaga caatcaaaag 540
agaacaatga tgagatgttg gaattaagta acaagactt taaagtacta ctatgaaaat 600
gctccaagta aaccctcttg gaatgaatgg aagatggaca gtctcagcaa agaaatagga 660
gatataaaga ataggggaagt aaaagttttg gaacttaaaa 700

```

<210> 915

<211> 700

<212> DNA

<213> Homo sapiens

<400> 915

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aggaaaaatc tcattttgca tgggaaaaga caatcaaaag agaacaatga tgagatgttg 60
gaattaagta acaaagactt taaagtacta ctatgaaaat gctccaagta aaccctcttg 120
gaatgaatgg aagatggaca gtctcagcaa agaaatagga gatataaaga ataggggaagt 180
aaaagttttg gaacttaaaa atataagggc caggcatagt agttcatgct ataatcccaa 240
cactttgaga ggccaaggca ggaggataac ttgagcccaa gagttcgaag ctagcctggg 300
ccacaaagtg agaccccgct tctaaaaaaa ataataagtt aggtgtgttg gcatgaacct 360
gtggtcctag ctacttgga ggctgagatg ggaggatagc tcaaacctgg gagttcgagg 420
ctgcagtgag tcgtgatcac accactgcac tacagcctga gtgacaaagc aagaccccg 480
ctcaataaat aaataaataa ataaataaat aaataaataa taagaaccaa aatttcagtg 540
ctcactaggt aactcaagag cagaatataa atgagaggaa agaggaagcc agtaactgga 600
agacagacca acagaaatta tccaaacaga aaaacagtga gaaaaagatt tttaaaaagt 660
gaatagaacc tcagagacta gtgagacaa accaaaggtc 700

```

<210> 916

<211> 700

<212> DNA

<213> Homo sapiens

<400> 916

```

ataaataaat aaataaataa taagaaccaa aatttcagtg ctcactaggt aactcaagag 60
cagaatataa atgagaggaa agaggaagcc agtaactgga agacagacca acagaaatta 120
tccaaacaga aaaacagtga gaaaaagatt tttaaaaagt gaatagaacc tcagagacta 180
gtgagacaat accaaaggct taatatattat gtcattagag ttccagaagg aaagaagaaa 240
gagtgacgtg aagataaaaa tgtttgagga aatattgact aaaaacatct tcaatttgga 300
aaaggacata aaactgaaga atatatgtac atatatatat atatatatat acacacatac 360

```

atacatataa	gcatacatgt	accattgcta	gagaaaaatg	acacatcaca	cataggagaa	420
caattcaaat	gacttcagct	tcctcatgag	gagagaggaa	atctcatcgt	agagaccagt	480
aggaagtgga	atcacatctt	taaaatgaag	aaaaagaacc	atcaaccac	cattctcttc	540
acaatttcaa	gaatactcaa	tgaaaatatg	cctcaggagt	gagagtgaag	taaagacgtt	600
ttcagatgaa	ggaaaactaa	gagagtctct	tgacaacaga	cccgtcctaa	aataattgct	660
acaagaagtt	tttcagacag	atgagaaatg	ataccagaag			700

<210> 917
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 917						
taaaatgaag	aaaaagaacc	atcaaccac	cattctcttc	acaatttcaa	gaatactcaa	60
tgaaaatatg	cctcaggagt	gagagtgaag	taaagacgtt	ttcagatgaa	ggaaaactaa	120
gagagtctct	tgacaacaga	cccgtcctaa	aataattgct	acaagaagtt	tttcagacag	180
atgagaaatg	ataccagaag	ttaacttgga	atatcaggaa	tgaaaaaaag	accaacagaa	240
atggtaaaga	tctgaggtaa	tgcaacattc	tgtgctgctc	ttgagtctct	taaaatacgt	300
tttatggtaa	aaacaaaaat	tataacattt	tttgatgggt	ttttcaatgt	tatatgtaga	360
tagcacataa	gacaactaca	acataaagag	ggtagaataa	aagaaactaa	agttttacat	420
tacacttaaa	atggtaaaat	attgattcta	agtagaccat	gaaaaggtaa	agacgtatat	480
tgtaatccct	ggagcaacca	ctaaaaacaa	aaacaaaaac	aaacagaact	atacaagcag	540
ataaagttaa	aaacacaata	aatgtcctta	aaatggtaga	cacaaatcca	accatatcag	600
taattccatt	aaatgtaaat	gatctaagaa	tggtatcagc	aaaaatggaa	tagagaactc	660
caaaactcct	ttttccataa	aaaacagtga	aaaaaactgg			700

<210> 918
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 918						
ctaaaaacaa	aaacaaaaac	aaacagaact	atacaagcag	ataaagttaa	aaacacaata	60
aatgtcctta	aaatggtaga	cacaaatcca	accatatcag	taattccatt	aaatgtaaat	120
gatctaagaa	tggtatcagc	aaaaatggaa	tagagaactc	caaaactcct	ttttccataa	180
aaaacagtga	aaaaaactgg	caaaatcaac	tttattagaa	ctctggagac	taataaaaag	240
tttaataaat	aaaataaaat	ctttttttta	ataaaataaa	ttcttttttt	tttttttgag	300
ggagagtctc	attctgttgc	tctggctgga	gtgcagtggg	gtgatcttgg	ctcactgcaa	360
ccccacctc	ctgggttcaa	gcgattctcc	tgctcagcc	tcctgagtag	ctgggattac	420
aggtgcctc	caccatgccc	agctaatttt	tgtattttca	gtggaggcag	ggtttcacca	480
tggtggccag	gctggctctg	aactcttgac	ttcaaattgat	ccaccacct	cagcctcca	540
aagtgttggg	tttacaggca	tgagccacaa	tgcccagcca	ataaatttta	atcaagaaga	600
aaaacggcta	aatctcagtg	ggaaaacact	gtggtgtttt	aacataacctg	ggctccattc	660
tcctctttcc	cagcttggtg	gcagccttga	agacaacagc			700

<210> 919
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 919						
aactcttgac	ttcaaattgat	ccaccacct	cagcctccca	aagtgttggg	tttacaggca	60
tgagccacaa	tgcccagcca	ataaatttta	atcaagaaga	aaaacggcta	aatctcagtg	120
ggaaaacact	gtggtgtttt	aacataacctg	ggctccattc	tcctctttcc	cagcttggtg	180
gcagccttga	agacaacagc	ctgcattctt	gatatagggt	cttagtggtc	gagggagcag	240
aatggaactt	actctcaaag	gattgtgggt	gcctgttttg	acctgtctgt	tggttccctg	300
aaggatgagc	acaaaagatt	tactttaatt	tcacctaaact	tagaactctc	ccagggctga	360
agcagctacc	tgggggcattt	ggaaaaacaa	acaaaccaca	cacacatgca	cagagttaaa	420
aacaaatgca	ttcactaatg	gtaacagtta	gggaaataat	agacaaacca	aaagcttaag	480


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aaaaaaggct ggagaaggaa acactttaag aaataagggc tttaaaaagc tttctggata 540
tctaagaagg tcacacatat gctcagaaaa tctcctagaa gactctacac tctcacctct 600
gactgacctc cagactctgc aagcagaaaa ggaagggttaa ggcagagttg taaacagcct 660
ggctaagtgt taaaagccac acctcaaaac acatacagag 700

```

```

<210> 920
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 920
acactttaag aaataagggc tttaaaaagc tttctggata tctaagaagg tcacacatat 60
gctcagaaaa tctcctagaa gactctacac tctcacctct gactgacctc cagactctgc 120
aagcagaaaa ggaagggttaa ggcagagttg taaacagcct ggctaagtgt taaaagccac 180
acctcaaaac acatacagag ctcatctgaa gatattggga attttttttt tatgttggtc 240
taggtataaa ggaaatttca gtcatcacta gccaccact agtggaaaag tttaatggaa 300
aagtcttttc agtggccaca cgtgacaaaag aatacagact ttaaaaaatt agttcagaaa 360
ggtcactaag taaacaacaa caacaacaac aacaaacaaa aacaactagc aaacaatgac 420
aacaacactg aaagggggagc agaatgtgat ttccagagtt gtcacattat aacagtaaaa 480
atgtccagtt ttcaacaaaa aaaattacat gccatgaaaa gacagaaaaa agtatgggtc 540
atagcgagca aaaataatta atagaaactg tcttgagga agctcaggaa ttgaacttaa 600
tagattaaga ttttaaatca agtattttta aatgtactga aagagctaaa agaaaccata 660
tgcaaagaac taaaggaaaag catgaaaaca gtgtctcgcc 700

```

```

<210> 921
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 921
aaaattacat gccatgaaaa gacagaaaaa agtatgggtc atacgcagca aaaataatta 60
atagaaactg tcttgagga agctcaggaa ttgaacttaa tagattaaga ttttaaatca 120
agtattttta aatgtactga aagagctaaa agaaaccata tgcaaagaac taaaggaaaag 180
catgaaaaca gtgtctcgcc taatagcaga ttccagtaaa agaatagaaa ttataaaaaa 240
ggacttagaa attttgagtt aagaagtaaa ataagtgaat tgaacaatgc actagaaggg 300
gtcaacagct atgtgagtag gcaaagaatg aatcagtga tttgaagaca ggtcaattga 360
gattaccag tctgagggac agaaaaaaga atgaagaaaa acaaatagag cgtaagtggc 420
ctgtggaata cactgatgg tacciacata tgcataccag aagaccagg gggagaggaa 480
agaaagaaag gggatgaaag aatatttgaa gaaataatgg ctcaaaactt ctcaaatttg 540
gtaaaagtaa aggatatgaa tttacacatg caagaagctc aacaaacccc aagtaggata 600
aactcagata ttcatattgt gatacattat aatccaatgg tcaagataaa taaaagaga 660
gaatcctgaa agcagtcaga gagaagtgat gagtcatata 700

```

```

<210> 922
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 922
aatatttgaa gaaataatgg ctcaaaactt ctcaaatttg gtaaaagtaa aggatatgaa 60
tttacacatg caagaagctc aacaaacccc aagtaggata aactcagata ttcatattgt 120
gatacattat aatccaatgg tcaagataaa taaaagaga gaatcctgaa agcagtcaga 180
gagaagtgat gagtcatata caaggatact taatgtgatt aatggctaatt ttccatcag 240
aaaccacaga ggccaaaagg caatatgatg acatattcaa agagctgaaa gaaaaactgt 300
caaccaagaa ttccatatgt ggcaaaacta ttcttcaaac atgaaggaga agttaagaca 360
ttccagata aacaaaaact aacagagttc tttgctagta tgcctgttgt acaaaagttg 420
ctaaagggag tcttcaggc tgaaatgaaa gaacacttgt gatgattaat tttatgtgtc 480
aacttgactg agccacaggg tgcctggatg tttgggtcaa cattattctg gatgtttccg 540
tgaggatggt tacaggtgaa aataacattt aaattgggtac actgagtaaa ggagattacc 600

```

```
ctccctaata tgggtgggcc tcattcaatc agttaaaggc ctaaatagaa caaaatgact 660
gacccttccc caagtaaaag agagtttctc ctgcctgcct 700
```

```
<210> 923
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 923
tgcttgatg tttggtcaaa cattattctg gatgtttcgg tgaggatggt tacagggtgaa 60
aataacattt aaattggtac actgagtaaa ggagattacc ctccctaata tgggtgggcc 120
tcattcaatc agttaaaggc ctaaatagaa caaaatgact gacccttccc caagtaaaag 180
agagtttctc ctgcctgcct atctttgaac tgggacattg gctttttctt gccttcagac 240
tcaaactgaa acattgggtc tttctttgtc tggagcctgc tggccttcag actagaacta 300
agtcattaac tctcctgggt ctccagcttg ccaagtcacc gtggagattt tgggtacttgt 360
cagtctctgt aatcatgaga attaattctt tataatctcc tctctctctc tctacacaca 420
tacacacaaa catgtgtata tgtatataca tatataatat atatataatat atacagcttg 480
ctggttctgt ttctctggag aacctgact aatacaacta atacaacatt atgcagtaac 540
ttaaatccac atgaaaaata aagaacacca gttatgataa ctatgtagggt aaatataaac 600
attaatatta atgatataatt ttttggttta aactctttat tttctatatg attttaaata 660
caatcataaa acaatgatcc taaaactatg ttgatgggca 700
```

```
<210> 924
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 924
aacctgact aatacaacta atacaacatt atgcagtaac ttaaatccac atgaaaaata 60
aagaacacca gttatgataa ctatgtagggt aaatataaac attaatatta atgatataatt 120
ttttgtttta aactctttat tttctatatg attttaaata caatcataaa acaatgatcc 180
taaaactatg ttgatgggca taggttgcac aaagatgggt tgggtgttttt gtttttgttt 240
tttggtttctt ggggtttttgt ttttggtttt tttgtagaca gagtctcact ctgtcaccca 300
ggctggagtg tagtggcacc atcttgactc actgcaacct ccacctccca ggttcaagca 360
attcttgtgc ctcagcctcc tgagtagctg ggattacagg cacataccac cagcccagc 420
taattttttg tatttttagt agacatgggg tttcatcatg ttggccaggc tgggtcttgaa 480
tccttgacct caagtgatct gcctgcctca gctcctaaa gtgctgggat taaaggcatg 540
agctaccacc cgggccacat tacataaaga tgtaatctgt gacattaaca acaaaagtta 600
gagatgaaat tatacagcag taactttttt gtataccatt gaaactaagt tgttattaat 660
ttaaattaga gtgttgtaaa ttaagatggt aattgtaatc 700
```

```
<210> 925
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 925
gcctgcctca gcctcctaaa gtgctgggat taaaggcatg agctaccacc cgggccacat 60
tacataaaga tgtaatctgt gacattaaca acaaaagtta gagatgaaat tatacagcag 120
taactttttt gtataccatt gaaactaagt tgttattaat tttaaattaga gtgttgtaaa 180
ttaagatggt aattgtaatc cccaggacaa atgctaagaa tataatatgt agtaaaataa 240
atgagaaagg aatcaaaaaga gtatactaca aaaatctatc ttacacaaaa gaagacaata 300
atggaggaac tgagggaacat aaaggataaa agacataata gaggacaaat agcaaaatga 360
cagaattaaag ttctctctta tcagtaatta tattaaatgt aaatgaatta agctcttcaa 420
tgaaaaggca gagattggca gaatggattt taaaaagaac catgatccaa ctatatgctg 480
tctataagag acttattttt gattcaaaga cacaaataat ttccaagtgt aaagatggaa 540
agcataccat gcaaacagta accaaaaatg agctgaagtg gctatgctaa tatcagacaa 600
aatggacatt gacacaaaaa tgtttcaaaa aacaaagaag tacattaata tgataaaatg 660
ctcaatgtat taagaagata ttgcaattat aaacaaatag 700
```

<210> 926
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 926
 gattcaaaga cacaaataat ttccaagtgt aaagatggaa agcataccat gcaaacagta 60
 accaaaaatg agctgaagtg gctatgctaa tatcagacaa aatggacatt gacacaaaaa 120
 tgtttcaaaa aacaaagaag tacattaata tgataaaatg ctcaatgtat taagaagata 180
 ttgcaattat aaacaaatag gcacttaaca acagagacca agaacctatg acaaaagatt 240
 gacagaattg aatgaaaagt taaaaaatag tcggaggcaa ggtgcagtgg ctcatgccta 300
 taatcccagc acaatgggag gctgaggcag gcagatcact tgaagtcagg agttcgagac 360
 ctgctggggc aacatggcaa aaccccgtct ctactaaaaa tacaaaaatt agccaggcat 420
 ggtgaagcac acctgtaatt ccagctactc aggaagctga ggcacgagaa tcacttgaac 480
 ccaggaggca gaggttgcag tgagccaagg tcatgtcatt gcactccagc ctacatgatg 540
 gaatgagatt ctatctcaaa aaaaaaaaaa aagttggaga cttaatactc atgttcaatc 600
 gtagctagaa caactagaca aaaggtaaac aaagaaatag aagacttgaa caacaataaa 660
 agccaccaa cctaacagac atctacagaa catttcattc 700

<210> 927
 <211> 579
 <212> DNA
 <213> Homo sapiens

<400> 927
 tgagccaagg tcatgtcatt gcactccagc ctacatgatg gaatgagatt ctatctcaaa 60
 aaaaaaaaaa aagttggaga cttaatactc atgttcaatc gtagctagaa caactagaca 120
 aaaggtaaac aaagaaatag aagacttgaa caacaataaa agccaccaa cctaacagac 180
 atctacagaa catttcattc aatgacagca gaatacatat tattcttctc tgcacatgga 240
 aatattctat agaagagaca ttgtgttagg ccacaaaaca agtctcaata aattagacaa 300
 gattgaaatc aaacagggcc aggtgtggtg cctcacacct ggaatcccag cactttggga 360
 ggccgagaca ggcagatcac ccgagggtcag gagttcgaga ccagcctgac caacatggtg 420
 aaacccacc tctactaaaa atacaaaatt agctgggctg agtgggtgcat gcctgtaatc 480
 ccagctactc gaggggctga ggcaggagaa ttgcttgaac tcaggagggtg gaggttgcag 540
 tgagccgaga tcacaccatt gcacttcagc ctgggcaac 579

<210> 928
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 928
 ttgtggcaac cccaggaaat gaatagatca ggagcccaga tggagtctga gggccttatg 60
 ttaagggtctg agtggtgaaa gtgaggctac aaaggcagag gtcagaaatg gtatcttctg 120
 ggtggaggca ggtagaggaa aaggaatata aaaacaaatg aatggccact tcctgcaagg 180
 caggaaagacc aaggagacat gatcctcaga agtcctgccc cttctcaagg ctgcagattt 240
 tttaggagga tatctgacca atgctgtggt cctgagctgc caggactcca agacctgctg 300
 gaggtcttat tcatgccttt ggagactaaa tcttacagtg tggagcaagg tattgaggag 360
 atatccgtcc attcaaggag ttagcaaata tnngccagt tcggtggtgg gaaaatggca 420
 atggacaaat gcatgcattg tttatgtact ccagncctc ccaggccagt cggggaagac 480
 gttacccaag cgatcattca attctatcaa cgggtggcaag tgttacgaag cacacgggga 540
 catgagaagc tgttatggga ggttttgtgt gtgtgggttt tttttttttt tttttgagac 600
 agtcttgctc ttgtcaccaca ggctggagtg caatggcacg atcttggtct acggcaacct 660
 ctgcctctg ggttcaagtg attctccac ctcagcctcc 700

<210> 929
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 929
attctatcaa cgggtggcaag tgttacgaag cacacgggga catgagaagc tgttatggga 60
ggtttttgtgt gtgtgggtttt tttttttttt tttttgagac agtcttgctc ttgtcaccca 120
ggctggagtg caatggcacg atcttggtct acggcaacct ctgcctcctg ggttcaagt 180
attctcccac ctcagcctcc ctagtagctg ggattacaga caccgccatc atgcgtggct 240
cactgcaagc tctgcctccc gggttcatgc gattctcctg cctcagcctc ctgaatagct 300
gggactacag gcatgcgcca tcacaccggg ctaatttttt gtatttttag tagagacggg 360
gtttcatcat gttagccagg atggctctga tctcctgaac tcgtgatcca cccgcctcgg 420
cctcccaaaa tgctgggatt acaggcgtga gccaccgtgc ctggccatgc ccagctaatt 480
tttgatttgt ttagagagcg gggtttcacc atgtcggcca tgctggctc gaactcctga 540
cctcaggtga tccgtccgcc tcagccttcc aaagtgctgg gattacaggc atgagccacc 600
gtgcctggtc tgttatggga ggttttgacc tactcagggg agtaaggaaa atctctctgc 660
ctctgagggg atctgaagga ttctgaaggt tttaatcagg 700
```

<210> 930
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 930
gggttttcacc atgtcggcca tgctggctc gaactcctga cctcaggtga tccgtccgcc 60
tcagccttcc aaagtgctgg gattacaggc atgagccacc gtgcctggtc tgttatggga 120
ggttttgacc tactcagggg agtaaggaaa atctctctgc ctctgagggg atctgaagga 180
ttctgaaggt tttaatcagg ggggaaaaat tttttctaga cagaagggaac agcatgtata 240
aaggctctggg gtggggagggg ggaatgncca gttagagaga ctggagggaag ttcgatgtgg 300
ttacagaagt gagcagaggc caaacatgt ggaaccttat aaaccacttt ttgatgtttc 360
tcangatcag gncaatttcc cagntgcaag taatggntc agatctgcat tttgagatca 420
tcatggttgt antgaaggag agatgagagg gaacnnnaat ggaggagcag ccagtcagga 480
aagtgttgcc atcactcatg tgaaaaagat ggagagaagt ggggtggatta gagggagatt 540
taggggtaaa attgaacaga cttgggatat aggtaaatag ggtctgggga tgagggagag 600
ggagctgcca agtatgactc ccaggcttct ggtaggtaa ctgatgggaa gtatctcctt 660
cagtacagca gtgaagacag gatgtgtgga gggggaagat 700
```

<210> 931
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 931
tgaaaaagat ggagagaagt ggggtggatta gagggagatt taggggtaaa attgaacaga 60
cttgggatat aggtaaatag ggtctgggga tgagggagag ggagctgcca agtatgactc 120
ccaggcttct ggtaggtaa ctgatgggaa gtatctcctt cagtacagca gtgaagacag 180
gatgtgtgga gggggaagat gttaggggag aacaataact ctgtgttgga catgttgcca 240
ttgagggtgcc tgtggacact caagtgggga tgtacactga acagtgagtt acatgaatct 300
ggggttcagc agtaaggata agggtaaaaga gagaaatttg tgtcacctgc gtgtaaagag 360
aagcgtgaag tggaaagcct agacctgagt tttgaggaac ccccaacctt tactaatagg 420
gagaggatgc tgaagaagct tgagcagagg tggccagaaa ggatgagggg aaaccaaggg 480
aaatcagtggt tccagagggg ctgtgggtcat cgctgggtgt cagacactgc tcagggccct 540
ggcagatgag gtctgaagaa cagccgttga aattggagat tggaggctac agttttattga 600
```

```

gacctgggttt ggtgctgtta gggagctaga aggctgactg cagggcctga agagtgggag 660
agacagctcc tttagggcct gaagagtggg agagatgtga 700

```

```

<210> 932
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 932
ctgtggtcat cgctgggtgt cagacactgc tcagggccct ggcagatgag gtctgaagaa 60
cagccgttga aattggagat tggaggctac agtttattga gacctgggtt ggtgctgtta 120
gggagctaga aggctgactg cagggcctga agagtgggag agacagctcc tttagggcct 180
gaagagtggg agagatgtga ggatggggag acagctcttt caagaaattc cgctgcggtt 240
gagaacagag acactcagtg gggtcgaatg agggttttgt tcccatagta gaggcttgaa 300
cacatttaca ggccaatggg aaagatccag ttgagagcgg gtagttgagc cttcaggaga 360
gaaaagggat gttccatggg gcaaactcct gagaaggggg aggagatgga aggaagcttc 420
tgtggatgta gcagatgcag gagggtttgt gtagttttag ccgggctcga gccggtggct 480
gacgcaggca ggaacaatgg ctcacccatg ttttatgtgt atttcctgtg gcgtgctcct 540
gctttcccca ggtctggggc gcctgcctgg cccgtgtgcc gtagggaata tccacactgg 600
gcctgggcgg aggctgggca tctcccgtc tgggcttgct ccctgatgag attctcagac 660
cgtgcttccc ctcattcatg agangaaggt tcacagagca 700

```

```

<210> 933
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 933
ctcaccatg ttttatgtgt atttcctgtg gcgtgctcct gctttcccca ggtctggggc 60
gcctgcctgg cccgtgtgcc gtagggaata tccacactgg gcctgggcgg aggctgggca 120
tctcccgtc tgggcttgct ccctgatgag attctcagac cgtgcttccc ctcattcatg 180
agangaaggt tcacagagca ggcgtgggaa cctgcctggc cgccagggcc tcctcccgt 240
caggctgagg tttgctgcat ctctgtcctt attcccttcc agactggatt ggctgaacca 300
ggtgtccact ctttttggcc catggcataa agaagggttt gggcaaccca gtgtgcccc 360
ggttggttacc gccccccgc ctcgcctccc accagcctt tgatggggcc cttctcatc 420
aatccatcac ccctgcacat gccaccagga ctgcctggac cagagcccgg gactctctga 480
aaccactga gagctcggcc ctgggaatgg gcctcccaat ctcggtctcc agggggtggg 540
ccccaggctc ctagtcttcc tcagggtctt ctccactgtt ctgcctctcc tcctgatacc 600
cagttcctag ccggggtgac cccagcctcc cgtaacagcc tccttggtgt ggtgctggga 660
agaagggggc cgtgtaccgc gcaggggccc ccaggcaatg 700

```

```

<210> 934
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 934
ctgggaatgg gcctcccaat ctcggtctcc agggggtggg cccaggtcc ctagtcttcc 60
tcagggtctt ctccactgtt ctgcctctcc tcctgatacc cagttcctag ccggggtgac 120

```

```

cccagcctcc cgtaacagcc tccttgtggt ggtgctggga agaagggggcc cgtgtacccg 180
gcagggcccc ccaggcaatg ggcatgagcg caggcaggga aatccgtcag cctccaggga 240
cgctctccct acagccccgg cgagggggtc gggtcgtggc gacctctcca gacgcccagg 300
ggctgggcag gagggcgggc caaggcccg cagggtggggc gccaaagcca ggcgggcgcg 360
gagtacgtgc ggtgggctgc gggcgccatg aaggcgcgcg gcggccagct ccggctccgg 420
ctccggctcc ggctcccgcg aggcggggtg gcctgggcgt tcccaggggt cgcagaggat 480
ggcgaacccc ggcgagagcca ccggagctgg ggaccaggac gcaggcaggc gtgtggagcg 540
tgaggtgggg acgtggcggc ggctcaagtg ggcggagccc cggcagcggc cggaggcgga 600
gtcgccaagg gagggagcgc cgagctgacc gggcgacgcc gcgggaggtt ctggaacgc 660
cgggagctgc gagtgtccag gtgagcgccc cgcccgtca 700

```

```

<210> 935
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 935
ccggagctgg ggaccaggac gcaggcaggc gtgtggagcg tgaggtgggg acgtggcggc 60
ggctcaagtg ggcggagccc cggcagcggc cggaggcgga gtcgccaagg gaggaggcgc 120
cgactgacc gggcgagcgc gcgggaggtt ctggaaacgc cgggagctgc gagtgtccag 180
gtgagcgcgc gcccgcctca gccgccagat caaccttagc gctggggcgc gggctggggt 240
cgccaggcgg tgcgttctgc ccgcgcgggg ctgagagtta ggggcccggg ccggatccgg 300
ggccgggggt cgcgcgccta gccgccagca gcgcagtcgc ggccgccacc ctgcaccctc 360
cgccctgttt ctgcaccctg ctgggttctt gtgcgcgcgc ccgcaagcct tcccgagctc 420
aggggtggtga ggtcagcggc gcccttcgtg cagttccctc ggctgtcggg cggggctggg 480
aacttgcccg ctcttccctg tcaggctccc gggaagtggc ggccctgacc cgggctgccg 540
gctgttggga gcgggggcgc ggcgtccgcc tggccctgag gggcctcttc atattggcta 600
agcccgttct gcaccctccc aagggtctgg agtcctaggt cttgtccggg cagggtccag 660
cttgagagccc attagatggg ccattggatc agaaagtctt 700

```

```

<210> 936
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 936
tcaggctccc gggaagtggc ggccctgacc cgggctgccg gctgttggga gcgggggcgc 60
ggcgtccgcc tggccctgag gggcctcttc atattggcta agcccgttct gcaccctccc 120
aagggctggg agtccctagg cttgtccggg cagggtccag cttggagccc attagatggg 180
ccattggatc agaaagtctt ttctcccca gacatccttg tggaaaccag gttgtttttc 240
cttggcagct gcggagaccc gtgataattc gttaactaat tcaacaaacg ggacccttct 300
gtgtgccaga aaccgcaagc agttgctaac ccagtgggac aggcggattg gaagagcggg 360
aaggtcctgg ccagagcag tgtggtgagc gctgtgctgg aagggaatgc gggcagtggg 420
tacttggtag agcactgact gcctccggcc agaggacttc ccggaggagg tgaccatga 480
gctggagtgg tcagaggaag gctggcaaaa gggcatcgtg gacagaggaa cagcctatgt 540
gagtgnnagc agagaccttg gccaatgcca ttccttatgg ccttgtagtg gaagcaagg 600
gatggggaag gaacactgta ggggatagct gtccacggac gctgtctaca agaccctgga 660
gtgagataac gtgcctggta ctgtgccttg catgtgtaag 700

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<210> 937
<211> 700
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 937
 gctggcaaaa gggcatcgtg gacagaggaa cagcctatgt gagtgggnagc agagaccttg 60
 gccaatgccca ttccttatgg ccttgtagtg gaagcaaggt gatggggaag gaacactgta 120
 ggggatagct gtccacggac gctgtctaca agaccctgga gtgagataac gtgcctggta 180
 ctgtgccctg catgtgtaag atgccagtt gaccttcgca gcaggagcct ggatcagggc 240
 acttctctgcc tcaggtattg ctggacagcc caggtgggtc cctggccttt gtattctatt 300
 tgacttttaag atggtgcagg agaatacaaa aaactatccg ggcatggtgg cgcgcgctg 360
 tagtcccagc tactcgggag gctaaggcag gagaatcgct tgaacctggg aggcagaggt 420
 tgcagtgagc caagatcgtg ccactgcact ccagcctggg agacagagcg agactccatc 480
 ttaaaaaaaaa aataaaaaaag agagatggtg caggagagca ttgggatccc tccaagact 540
 gtgactgttg tcttttgctg tagagtgaca cccgagattt gtgcttcttg ataatagact 600
 acctggggcc tcacagcccc agccctcttg taggaaatcc tgcctaaga ncaagggctg 660
 gagtccgtta cgttgtagct tggggcattc ttaaattgtcc 700

<210> 938
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 938
 agagatggtg caggagagca ttgggatccc tccaagact gtgactgttg tcttttgctg 60
 tagagtgaca cccgagattt gtgcttcttg ataatagact acctggggcc tcacagcccc 120
 agccctcttg taggaaatcc tgcctaaga ncaagggctg gagtccgtta cgttgtagct 180
 tggggcattc ttaaattgtcc cagactttgt ggagatccat tgtccaccta agaatttata 240
 ggatgttttt ggggtctgct gcttgttctc agcctgtgtc tcatctgaca ttaggttcca 300
 taatttagtc tctgttaaat gaactaggat ttctttggc ttgtacttaa actgcccctg 360
 aggtgtccaa ggtgcagcct ctcactgtgg ttctgggct cagcgcccag tctctctggt 420
 tgcttctccc cactcacaga atgtttggtc tttgaattct tttcttttag ggctccttg 480
 ttcttacaca gccgagtgtc cactgtgtgg cccagccaat gaagccacgt agcaaggatg 540
 gagtgagttg gctgggggcc tcatcccaa gatgctgtca tactggatca ccctagttct 600
 ctgagagctc agcaggcaga cttggtgaca gcttagctga ggcattgtct gtggcatgtg 660
 ataggccctt gtatcctgtc gaaagctctg cattggggta 700

<210> 939
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 939
 cactgtgtgg cccagccaat gaagccacgt agcaaggatg gagtgagttg gctgggggcc 60
 tcatcccaaa gatgctgtca tactggatca ccctagttct ctgagagctc agcaggcaga 120
 cttggtgaca gcttagctga ggcattgtct gtggcatgtg ataggccctt gtatcctgtc 180
 gaaagctctg cattggggta ctctagacag tgcttactta gtcaccggtt tagactggcc 240
 ccagctgata tcagttcact ccttgagtgc cttctgcctg tttggcttct gactggagcg 300

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tgccctggggc tagaatgagg gacgagagag aggaggtggc ngaggcaacta ttcttgccctg 360
tgggtagctc gtactctgag attgctgctt catattggca gctggccatg tgccagggga 420
ggagcccggc tgtgagtgtc catcaaagga agagactacg tgggtgcagc tctgaggaat 480
gagtcgggttg agggaaatcta ggggtctctc atttcctaag aaggcctccc tttttcactc 540
tgccctccca catccttggg aggggtctgag actggaagca aggccttggc tgatgtgtgg 600
ccacgctggc tgatagtgtg cagagggcta ggaggtgtgt ccctggctcc tggggtctgt 660
caagagttta ctattatgca gatggaagtt ggcaggaaaa 700

```

```

<210> 940
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 940
gggtctctc atttcctaag aaggcctccc tttttcactc tgccctccca catccttggg 60
aggggtctgag actggaagca aggccttggc tgatgtgtgg ccacgctggc tgatagtgtg 120
cagagggcta ggaggtgtgt ccctggctcc tggggtctgt caagagttta ctattatgca 180
gatggaagtt ggcaggaaaa gctgtgatgc aagtacatgc aagcccagca gagtgtctga 240
gtgagagtta aacttcggga agtttgcctc catctagcaa tttggacatt tgaagttcct 300
tagggtaaga catcagcctg tcctagagca aagagggctg gaaggctcctg tgggtctgtgg 360
gctttgtgtt acggacatgg aatgagagat agaaagacag tttttttttt tttttttttt 420
tcctcanagc agagganaat gaaaagtctg gatgatttac tggagcccta naananagtt 480
cttggttcagc tgggtgtcatt gcagggcana ggattaagtg tttgggtaga gtgctctcca 540
gctcagatgg aatctatctg agcctggtaa cagggcagca tctgctctgg accttcagg 600
aagtgtctgc ttagagtgtg gcctgttttg tacctggcac tctgagggcc aggggtgtagt 660
ggagatcctc aggcctgggt acttgttaga gcctggaatg 700

```

```

<210> 941
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 941
gcagggcana ggattaagtg tttgggtaga gtgctctcca gctcagatgg aatctatctg 60
agcctggtaa cagggcagca tctgctctgg accttcagg aagtgtctgc ttagagtgtg 120
gcctgttttg tacctggcac tctgagggcc aggggtgtagt ggagatcctc aggcctgggt 180
acttgttaga gcctggaatg agcaggtcag aggcataata gtacatgagt tcctagagta 240
ttggtccaat cccccgcct tttgctagag aacattgctt gatgagcttt agagccagtg 300
attgaccagt tccagggtta tcccctgatg atcaatgtac tacattatac ctgattccag 360
tctctcctga attaaatgtt tcatttcttg tgggtgtcct ggaacatgga gatcgcccaa 420
tttctgcctt gtttgcattc tcaactgttc ctagtctgga ccttctttct caccaggaa 480
tcagctgact tgggctgggc agctggctgc ctcaggtcca ctgatgtttc tctggtgccc 540
ttggtactaa tgattgacat aaattatgcc tagtgcaggg ctacctgcca acatctgtca 600
tcacattcag tcctccaaca gccctatgag atataggtec tagtattgtc tctattatat 660
acatggggaa actgaggaat cctataactt gtccaaggtc 700

```

```

<210> 942
<211> 700
<212> DNA

```


<213> Homo sapiens

<400> 942

```

agctggctgc ctcaggtcca ctgatgtttc tctgggtgcc ttggtactaa tgattgacat 60
aaattatgcc tagtgcaggg ctacctgcca acatctgtca tcacattcag tcctccaaca 120
gccctatgag atataggtcc tagtattgtc tctattatat acatggggaa actgaggaat 180
cctataactt gtccaaggtc acaaagccgg gaagtgggtat agaattgggg ttttaactctt 240
agtatgtctg accctagggc aggtgtgcct gtccatttga ctgtactgcc ttgccctgag 300
ctggactggc tggttatattg tgagtgtctg catgtctaag gtaggagtga ctgcccattct 360
gaacttaagg gaccatgttg ctgttttctg ggtccatgtt gcgttcctcc ctctggtgag 420
atccagccag gcgtgtcatg gacctgcttt atgaaccttt ggtgtaacct atgataaagt 480
ccttaacctg ggcaggcatg ttcttcctgg gcaaagtgtg gcttccctgt ttgggagtc 540
attgcacttt aaggtaacag attattgagt aggactggat agctgcaata tctagcagag 600
tgtgttttgg gtttgactct tggttctgtc attgatttgc tgtcagatgt cagatatgta 660
ggaaaccttc tctcagcctc agctgtttgt catttgtatc              700

```

<210> 943

<211> 700

<212> DNA

<213> Homo sapiens

<400> 943

```

ttcttcctgg gcaaagtgtg gcttccctgt ttgggagtc attgcacttt aaggtaacag 60
attattgagt aggactggat agctgcaata tctagcagag tgtgttttgg gtttgactct 120
tggttctgtc attgatttgc tgtcagatgt cagatatgta ggaaaccttc tctcagcctc 180
agctgtttgt catttgtatc tatcttatat ctgaaatgga ggtagttatc tagcttagaa 240
ggtttgggtg agaattagat agtagaaatg aaagattttt ggaaacaaat agtgcttatc 300
tcagactatg ttcccaggaa acagcctgag acagagctta agtacttaat gctttattgg 360
aaggtgtaat tgcagggcag ccagggtgag ggaaaacaaa agtgaggtgc aggcctgtgc 420
gatggctcat gcctataatc ccagcacttt gggaggtcga gatggatgga ttgcctgagg 480
tcaggagttt aagaccagct ggccaatatg gtgaaacccc atctctacta aaaatacaaa 540
aattagctgg gcatggtggc acacacctgt agtccaagct actcaggagg ctgaggcagg 600
agaatccctt gaacctggga agtggaggtt gcattgagcc aatattgtgc cactgcactc 660
cagcctgggc gacagagcga gactgtctca aaaaaacaaa              700

```

<210> 944

<211> 700

<212> DNA

<213> Homo sapiens

<400> 944

```

ggccaatatg gtgaaacccc atctctacta aaaatacaaa aattagctgg gcatggtggc 60
acacacctgt agtccaagct actcaggagg ctgaggcagg agaatccctt gaacctggga 120
agtggaggtt gcattgagcc aatattgtgc cactgcactc cagcctgggc gacagagcga 180
gactgtctca aaaaaacaaa agaaaaaagt gaggtataaa ggaggatggg aggtggtggt 240
ttagcaagct ggctactctg cacagagatg tacttggtta ccctatgagg gccctttggg 300
agccactggg gaggccagtc tgggtacttca acagagtctg gagatagtga gaggagccag 360
agattctggc gtgggcctgg atagtctcct ccactgggct gaggcaaagt aaataccctg 420
ggacctggga gatgggtgag accaagaggt tgcaaggtgg gacgtaagat gcatccaata 480
tagtgggtata tggattttat cctcaagtgt agttcccttt tgtgggttag tctcatccag 540
actgccaaat ctctgccaaag actatgactg aaaacccaac ttggcctttt catgtcagtt 600
ttaacagcct tctctgtctac ttcattgtct agttactgaa gcaagacttt gtggtggtga 660
tggtagccag gtggggaagt ggaagtcacac cactattcat              700

```

<210> 945

<211> 700

<212> DNA

<213> Homo sapiens

<400> 945

```

cctcaagtgt agttcccttt tgtgggttag tctcatccag actgccaagt ctctgccaag 60
actatgactg aaaacccaac ttggcttttg catgtcagtt ttaacagcct tctctgctac 120
ttcattgtct agttactgaa gcaagacttt gtggtggtga tggtagccag gtggggaagt 180
ggaagtcaac cactattcat gtaccagact gagaaagtat gtggatagat acagataaac 240
atcttggctt tattaggttc ttcgtgaagg agaataatattt ttcacataaa gtagttgttg 300
aagatacgaa acctggcatg gtgagatgag gctagagagg gcagtagggc ctggtcacac 360
actcaaaagg accctttggg cttaaagagtt tgaactttat cttgacggca gtagagagcc 420
aaaggagggc tttgataaac catgctggct actttgtaga gcagaggtgg gaggaaggcc 480
agatgacatg tggagaggcc agtgtagtgg gggccaggat gcctgtaggg gaagttaggg 540
gtggctcaga tcagggtgat gactgaggct aaggagagta gggtagcccc catacttgcc 600
taggggtgccg tggcagcagc ttataggcct gaatggacat ccatgtgctt tggtagcagg 660
gtctcctgga gcctctggat cctcttaggc tgaacacaca 700

```

<210> 946

<211> 700

<212> DNA

<213> Homo sapiens

<400> 946

```

agtgtagtgg gggccaggat gcctgtaggg gaagttaggg gtggctcaga tcagggtgat 60
gactgaggct aaggagagta gggtagcccc catacttgcc taggggtgccg tggcagcagc 120
ttataggcct gaatggacat ccatgtgctt tggtagcagg gtctcctgga gcctctggat 180
cctcttaggc tgaacacaca ggctctttca gccctgttat cctagagttg gaggcagcgg 240
ggagccgtgt ccagttagggt tttccccctt cacagaaggc aggcaggttc ttgttcagt 300
ccaagcaaga ccagtttggt ctcagcaagc tcatgttctg tctctaggct gttaaataca 360
ttgttaaaac tcaggctggt gcatttgggt tgcagctggg agcttggcag agattctgcc 420
tgatgaggta aggagagaag ctaaggacgc tgcgtggttg cagctggaaa catcttttca 480
tggccatttg gccagattgt aaatgtcttt tccaaagttc aggtttgggt ggacctctgg 540
ttgtatgtct tgggaattgcc ctgtgttttag aaacagtgcc agtcgcctga tgggtgaatc 600
actgttgctg ggatgttggc aggttttgca ggactttcct gtgggggtcc aaacactagg 660
gctggcaggg cccgttttga gtctgtttga gaagggcctg 700

```

<210> 947

<211> 700

<212> DNA

<213> Homo sapiens

<400> 947

```

aaatgtcttt tccaaagttc aggtttgggt ggacctctgg ttgtatgtct tgggaattgcc 60
ctgtgttttag aaacagtgcc agtcgcctga tgggtgaatc actgttgctg ggatgttggc 120
aggttttgca ggactttcct gtgggggtcc aaacactagg gctggcaggg cccgttttga 180
gtctgtttga gaagggcctg ctttgttttc tttacatttt aagcatatga taaaataatt 240
ttaaaaattg ctatagaatt tctttagaga agattagaga aacaagcata aaaataaaaa 300
gaaattatatt caccaagata tagccagatg tatgactcct ttcttgcatc tctctatata 360
cacatatata ttaatttttc cttacaaaaa tgggaattata gagtgcata tttgggggcc 420
cactttttct acttaacagt atgcttagat ctcttcatgt tgatatatag tattcatttt 480
taatatactc cataaaaact cattgtatag aagaaatgta aaatcttcta ttgtttagt 540
ttcctaattt gaacaagtct gtggtgaagt attttttgtt gtgttcctgg tatgggacag 600
acattgttct aaactctggg gatgcagcac agataaaaact cagtattggg tttctgctca 660
agatgtcact ttgtttttca taaaagtggg tttgacattg 700

```

<210> 948

<211> 700

<212> DNA

<213> Homo sapiens

<400> 948

```

cattgtatag aagaaatgta aaatcttcta ttgtttagt ttctaatatt gaacaagtct 60

```

```

gtggtgaagt attttttgtt gtgttcctgg tatgggacag acattgttct aaactctggg 120
gatgcagcac agataaaact cagtattggg tttctgctca agatgtcact ttgtttttca 180
taaaagtggg tttgacattg ttcacctcca gacttattcc agttggattc tgagggtttc 240
tgaggaggct tttagcagca ctggacactt tgtaggggca ctcagcaggc acacatactt 300
tcacctactc tgtcttaagc aagctgtggg catagttaat agatgggttg gaggttggcc 360
tttcccacat tgtggggcac agtccctctc ggatgctgcc tcctcccaat ctgactctaa 420
ttagaggact ttttgtacag agccttttga gttaaggggc ccaggcttgg gagaaatggg 480
gtagggtctc agagtacccc tgccagagat gtcagtgttg atgtggtagt ctgggagctg 540
ctgcttggag gtgcccagct ctccaggcta gcagagttag ttatcccctt cccccaccag 600
agcaagactt tgcaggctct tggtaggtaa gtcactgtga attacctgtg attcttttag 660
gctctgcccc aaccccatct gtgattcttt gaggtctgcg 700

```

<210> 949
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 949
tgccagagat gtcagtgttg atgtggtagt ctgggagctg ctgcttggag gtgcccagct 60
ctccaggcta gcagagttag ttatcccctt cccccaccag agcaagactt tgcaggctct 120
tggtaggtaa gtcactgtga attacctgtg attcttttag gctctgcccc aaccccatct 180
gtgattcttt gaggtctctg ccaaacccta tctgtgattc tttgaggctc tgctccagg 240
ctgagattca agaatgggct cagtctaagc cagatcgac attccagaga aatcacagct 300
gggtattcatg taatgaagaa acctggcttt ccctgagtgt tgtgaggtag gaaccgtaga 360
tgataggagc agaatgattt gaaaggaatg gacagacttc ctccctggaa tttatctggc 420
ctctaaaaag gtatgcaact gcaactggag acacacctgg gtagagatgc tgggttcccc 480
acttccaacc atgtctgggt tggaaacctg ctgggccctg ttctcccacc accccagctc 540
tgaggagcag tcagctgggc cctttctgat cacagataca tcctcccagc tctatgtttt 600
cactgtcccc tccctacata catacagaag gtgctgagcc tgagccagtc aagccttttg 660
aggaacaaga aacagacacc caatccctta ggtataaggg 700

```

<210> 950
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```

<400> 950
tggaaacctg ctgggccctg ttctcccacc accccagctc tgaggagcag tcagctgggc 60
cctttctgat cacagataca tcctcccagc tctatgtttt cactgtcccc tccctacata 120
catacagaag gtgctgagcc tgagccagtc aagccttttg aggaacaaga aacagacacc 180
caatccctta ggtataaggg gcttgtgtaa gcaagagaga agccttctga aatcctggga 240
tagagaagac agtatagtaa ggccttggag cagacctgtg gctagaacca ggagggcctg 300
gactctgcct cagggaagc ccaggcttac tcactttctc ttgatgactt gntctcttct 360
gctgctctaa ctcccataat gaccccttag cacaatacgc cctaccctgc agcagggttc 420
aggttggaag ataattgtcc tgtgtgtctt gggaccccca cacctagact atgacaggaa 480
gactgtcagc tctgcagaca tttggcatag gcatgaacac atggcgccat tcacttatgc 540
tttcttctg atagaggatc catttgcaga tgggagttgt ggttggcctt ctctgagcct 600
aacctggaat ctcaatggat taggatttct tctgaaagag taagatgagg aatggtgggt 660
gtgctgtgtg tctaatacag tatggcgggc aaaaaactga 700

```

<210> 951
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 951

```

tttggcatag gcatgaacac atggcgccat tcacttatgc tttccttctg atagaggatc 60
catttgcaga tgggagttgt gggtggcctt ctctgagcct aacctggaat ctcaatggat 120
taggatttct tctgaaagag taagatgagg aatgggtgggt gtgctgtgtg tctaatacaag 180
tatggcgggc aaaaaactga tgaactggca ttatcttaga cttagaattc tgtcagataa 240
ggcttatgtt tttttgggaa agcatttcta tttcctttgt tttgcttgct ttgtcttagt 300
gaatttccat ttgagcactc cagtgggggt ctcaaaagca nggcaggaag aagaccggca 360
gagctggggt acagatgggt gctaatactc cagcacagtc taggctgcat ggctgagctg 420
ggagacggta tcggaggctt ctgttggtga ctgaggttta ctgccagtgg ggtttgtctc 480
aggttgtgcc tatttctggg ctgatgagaa gacagtagct ggcccccttc ccatgtcagc 540
agcccagcct gaggttttgg ccatgtgtgc catattcatt tttgtatcct gagtgcctag 600
atcagtgcct ggcattctgca ggtcttcagt aaatatattgt gaatgaatgg tgacggggcca 660
gtgagaacag tgtctgccaa ggagccttac tacaggaaga 700

```

<210> 952

<211> 700

<212> DNA

<213> Homo sapiens

<400> 952

```

ctgatgagaa gacagtagct ggcccccttc ccatgtcagc agcccagcct gaggttttgg 60
ccatgtgtgc catattcatt tttgtatcct gagtgcctag atcagtgcct ggcattctgca 120
ggctctcagt aaatatattgt gaatgaatgg tgacggggcca gtgagaacag tgtctgccaa 180
ggagccttac tacaggaaga acactgtcta cctaggagac tgtctcctct gactgctctt 240
tctctggcag gtgcagactg acaagggtta gttttattcc tcttctggct ggccatctgt 300
tgtacacctt agtttgggtg ttggtactct ggaggatatt gtgtcaaatt atctttctgt 360
tattgtctct catgtactgt tgctctcttg tgggcaggga ctggttcccc aaaacctggc 420
actgtcctgg catatgtgtt ggaaggtaag atagaaacaa acagcagtct gtgaaataag 480
aaggagtggg ccagaatctt ggactgacag accattggaa cccgagctga ctgtacccca 540
ctgcgattcc gccttctcat ggtacaggtg gttgctggga gttgagagga tgggctctct 600
ccgcagggca cgtgacttcc cagagcaggg accagaattg agcacacatc actggctgca 660
cgctctttgt tctttctgct gtttgcctct tttagcttct 700

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<210> 953

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 953

```

ggactgacag accattggaa cccgagctga ctgtacccca ctgcgattcc gccttctcat 60
ggtacaggtg gttgctggga gttgagagga tgggctctct ccgcagggca cgtgacttcc 120
cagagcaggg accagaattg agcacacatc actggctgca cgctctttgt tctttctgct 180
gtttgtcctt tttagcttct gtgtgctagg ccaggatttt gatatgtttg attatctgca 240
tatgtgtgta catgcctatg tgtctcctca cctaaattag tctttttcac tttnttgatc 300
cagtgtattg cattgaatgc ctttcagaca cttccctctg tgaccatgaa actctgggtg 360
tctgcattgc tgatggcctg gtttgggtgc ctgagctgtg tgcaggccga attcttcacc 420
tctattggta cgtgccaaca ggactgtcgt ctccctgaca ccttgactca catgccacgg 480
atgtctctgg ctgcagcctg ttctcattta gagtgggata gccttaacta ctgggttttg 540
ccagttctga ggagagtgga actggcagag ttgctgtttt cccctataag atcccaatga 600

```

```
tctggatggt cagggagcca gatgtctgaa ttgggtcttt cttcctggga agtgcaggct 660
gcacttgggc tctctggtct ttttgaccac cttgcccattg 700
```

```
<210> 954
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 954
ttctcattta gagtgggata gccttaacta ctgggttttg ccagttctga ggagagtgga 60
actggcagag ttgctgtttt cccctataag atcccaatga tctggatggt cagggagcca 120
gatgtctgaa ttgggtcttt cttcctggga agtgcaggct gcacttgggc tctctggtct 180
ttttgaccac cttgcccattg gaccagagag tgggtctgag cagcaaatac tttgtatcct 240
gaggatcaag cttttcctat ccttccgacc taaagtccag agctttttat cctgtggtga 300
gccccagga tatccatgcc ccagtgtcat gaccagctat gtaacagtcg gagaatgaga 360
tttagggctg cttcttgagt gacatccagt gcacttatct caaacatccc cttggtgcct 420
ctgcctcttt cttcctgaag ttgcgagata gagcccatg agtgcctagg ccccttttaa 480
ctccaagtcc ccataatccn cagagagctg acatgttctt atcccagggg acttgcttct 540
gtgctggtat tcnnngcccc aaggaaggag gctggacatc cctcatctgt ttctcactgg 600
tgtctttctt ctctcccttg cagggcacat gactgacctg atttatgcag agaaagagct 660
ggtgcagtct ctgaaagagt acatccttgt ggaggaagcc 700
```

```
<210> 955
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 955
cagagagctg acatgttctt atcccagggg acttgcttct gtgctggtat tcnnngcccc 60
aaggaaggag gctggacatc cctcatctgt ttctcactgg tgtctttctt ctctcccttg 120
cagggcacat gactgacctg atttatgcag agaaagagct ggtgcagtct ctgaaagagt 180
acatccttgt ggaggaagcc aagctttcca agattaagag gtgtcctaag tccccancca 240
tccttagttg gccttccttc cttctgccc ctcaaggaac aaggaagcca tccaggntgc 300
ctataagagg aaacctttga gaggntgatg tgggctagg agtcactgtt tattttntat ttaagacctn 420
cttgagagga gctaagtaca tgggctaagg agtcactgtt tattttntat ttaagacctn 480
ttcccttaca ttgggggtcc cagctgttat ctagattaag gggctagaag tatctgtggg 540
gagttactgt attcattttt cattgcctct tgatgaaaag ggccccagaa cctggcacca 600
gggaattctc actaggaaaa ttgtcacagg tcaagaccta tgtgggtgga cgcattagtc 660
ttccttttcc tctggttcca cagctgggcc aacaaaatgg aagccttgac tagcaagtca 700
gctgctgatg ctgagggcta cctggctcac cctgtgaatg
```

```
<210> 956
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 956
cattgcctct tgatgaaaag ggccccagaa cctggcacca gggaattctc actaggaaaa 60
ttgtcacagg tcaagaccta tgtgggtgga cgcattagtc ttccttttcc tctggttcca 120
```

```

cagctggggcc aacaaaatgg aagccttgac tagcaagtca gctgctgatg ctgagggcta 180
cctgggtcac cctgtgaatg cctacaaact ggtgaagcgg ctaaacacag actggcctgc 240
gctggaggac cttgtcctgc aggactcagc tgcagggtgag ggacgggtgag cagggtgcttg 300
agtgaagccca tatgtttgtg tgctcatgcc tgggttggtg tgtctgagcc tgtcttgggt 360
ctgggtggtg gtgggcaagt acattgtgga aacaggaccc tgctgggtctc atggctctct 420
cccttctctg tggggacctg gaagttggct ggccttggtt ttaacatgt aatgatgttc 480
agttcttttt ttagcgtctt ttttttagtg tctgtctttt cttatttttt gctaattgaca 540
tttttccaat tatacttttag tgatacatgt ttatagaaaa gtcggaatac acaaaaacaa 600
gagaattata attcttaatc cagttgcccga gtggtgagca ttattaaaaat tgtagttttt 660
ctacctatgc atatacatgt aaaaaatgga actatacata 700

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<210> 957
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 957
tttttttagtg tctgtctttt cttatttttt gctaattgaca tttttccaat tatacttttag 60
tgatacatgt ttatagaaaa gtcggaatac acaaaaacaa gagaattata attcttaatc 120
cagttgcccga gtggtgagca ttattaaaaat tgtagttttt ctacctatgc atatacatgt 180
aaaaaatgga actatacata cataccaggc catgcaaact cagttgcttg gagggacaat 240
gaatttaca gtgtcaagtg ggctggatgg tggggccagg gcaagttggg gagcatagg 300
ctgatctaaa ttcatctcta ttcatatgtt ttacaaacaa agcatatctg ttggtagatt 360
tgtgacagaa gaaaaaatc tgtgaatttc tcagcttctt tatatgccat tcaatgttct 420
tctgcaacat gatttttaatg gctggatggg gattacctgt cagatggtga taatctgtca 480
tactgataat actgtcaaat ggggtcaagtc attggatatt ggattttttc tgaattatca 540
gcaccttttt acatatttct tgggtgtatac ttctgattac ttttttaggg taagttccta 600
gaagtgatat taccgatgag agtgtgaact ttttaaaagc tttaaactat acttgggtgct 660
tttattgtga taatactttt tatgccctaa tacttttctg 700

```

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<210> 958
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 958
gggtcaagtc attggatatt ggattttttc tgaattatca gcaccttttt acatatttct 60
tgggtgtatac ttctgattac ttttttaggg taagttccta gaagtgatat taccgatgag 120
agtgtgaact ttttaaaagc tttaaaactat acttgggtgct tttattgtga taatactttt 180
tatgccctaa tacttttctg tcaataagaa gagatggtac ggtgggcctg gaggtgggct 240
ctcctaactc ctagccctgg gtttagtccc ctggactcac tgactttttt tttttttttt 300
ttttttttga gactgagtct cactctgtca ccaggctgga gtgtagtggc gggatctcgg 360
ctcactgcaa cctctgcctc cgggttcaag caattcttct gcctcagcct cctgactagc 420
tgggactata ggcacatgcc accatgcccga gctaattttt ttttgggtatt ttttagtagag 480
acagggtttc accatgttgg ctaggatgtt cttgatctct tgacctcgtg atccacccat 540
ctccacctcc caaagtgctg ggattacagg tgtgagccac catgcccgtc gccttttttt 600
tttttttttt ttttttnnnn nnnnnaaggg acagggtctc nctatnttan cctanactgg 660
agtgcagngg ctattcacag gtgcgattgt agcacactgc 700

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<210> 959
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 959
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 ggattacagg tgtgagccac catgcccgtc gccttttttt tttttttttt ttttttnnnn 120
 nnnnnaaggg acaggggtctc nctatnttan cctanactgg agtgcagngg ctattcacag 180
 gtgcgattgt agcacactgc aaccttggac tncctggcctc acgtgaccc cctgcctcag 240
 cctcctgagt agctgggact ataggcacag tgccattgta cccagctntt cactgcctnt 300
 tttccntgag ctgngagtgc tgattaactt canactagct gtctctctgg ctganacatt 360
 ttancccatg tggccanact ggggttgggc tgggggcagg gtggcctctg ganagggatt 420
 ggtgagctca nccaggtcgg agctgtgccc agtgagctca ctgcctccan aaaccacggn 480
 tgcttttccc anactccgc ctntccgcct gggcctgcag ctcgggacag gctgttctgc 540
 ctgcacggna ggagactaag cctaccaga tgacctctc tctccaatct tgttctcaca 600
 ccctacactc caccatcatn tggttccttt ggaaaacctn ntgattacct ggaaggagat 660
 agggcaggcc cagagaataa ttggtngnnt tcatctctga 700

<210> 960
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 960
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 tggttccttt ggaaaacctn ntgattacct ggaaggagat agggcaggcc cagagaataa 180
 ttggtngnnt tcatctctga ctttgagttc ttgcccctga aacgagcagg gcatgctgac 240
 agtgtggctt ttccctggcag catgttcccc tactcccacc ccaccagatt ntaaactctt 300
 tagagtccct gaccatgtag ctatgaagac aaggaaggca gggttacagc ttcttgggtc 360
 ctgtccccag ttatggctga agtggatggt taggtctgaa gtcataagggt gcagtggata 420
 cagctactct tgggaagagg ttgggaagg aatggccttg ttgttccct ctcacttctc 480
 agcttagagg cagaattgaa ggccctaagt cagcctggga aggcttggct cccacctggg 540
 attgtaggag gtacacatct tactttacag ctagggtctg gactcccaga aaagcctcct 600
 tggagtactt ctgtggtcaa aagctctccc acgcttcagg ctgtggtctt gagcaccata 660
 actggagagc ccatgccctg aactcattga aggtctgagt 700

<210> 961
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 961
 ggccctaagt cagcctggga aggcttggct cccacctggg attgtaggag gtacacatct 60
 tactttacag ctagggtctg gactcccaga aaagcctcct tggagtactt ctgtggtcaa 120
 aagctctccc acgcttcagg ctgtggtctt gagcaccata actggagagc ccatgccctg 180
 aactcattga aggtctgagt ggtgggagta cagaggagaa cagncccacc gtggtctctt 240
 aggggacgga ccttgctggg ttggtgcaac cccaccttgg tccttggcct gtctagggtg 300

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tccttcagct gtcaacctag ggggaggggg atgacttcca ggactttcat catcaccttt 360
ctggatgata agtgccagtg gtcagtaatg agtggccagc tcggcttcat tagttaactg 420
tcattgtccc ttggactcct caacttgaaa tgtgtgctgg aagtctgtgt ttacctgact 480
agcccaatta ccctggatca aggttttcca tgggatttat tttccactga gtggttgaca 540
gttcttctctg agtcctctcc cgtgctcttc tcagttaccc tctctatcct ctgtttcttc 600
tgtctccacc agctctgact gaatgatttg gagccaagac ttctggactc ctaaataatta 660
accaatatgg ggggctgctt ctacttagtt ccaaagagca 700

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<210> 962

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 962

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agggtttcca tgggatttat tttccactga gtggttgaca gttcttctctg agtcctctcc 60
cgtgctcttc tcagttaccc tctctatcct ctgtttcttc tgtctccacc agctctgact 120
gaatgatttg gagccaagac ttctggactc ctaaataatta accaatatgg ggggctgctt 180
ctacttagtt ccaaagagca acacaggcag taggtatggt gaggagtaag aaaggaaaag 240
tccccataga ctggagtcac cagggacaac ttctggtggg aaggggggcaa cagcctttga 300
ggggagggggc ggggaaattt cactagccag agaccctctt tgtggctgcc tctctggtcc 360
caagtggaat tctgccccctg gatcaagggt aatctcttctg tctgactctc atttggaagg 420
ttttatcgcc aacctctctg tgcagcggca gttcttcccc actgatgagg acgagatagg 480
agctgccaac gccctgatga gacttcagga cacatacagg ctggaccag gcacaatttc 540
cagaggggaa cttccaggta actcaccact ccaggcggtg cctgtcccgc ntgtgtctct 600
ttagtggcgg gacaggttgg agccaccacc aacttgtggc ctttaacctc ggggtgcacct 660
ctggtgcacc tcttggctca ccagtttctg ctggactccc 700

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<210> 963

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 963

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gacttcagga cacatacagg ctggaccag gcacaatttc cagaggggaa cttccaggta 60
actcaccact ccaggcggtg cctgtcccgc ntgtgtctct ttagtggcgg gacaggttg 120
agccaccacc aacttggtgg ctttaacctc ggggtgcacct ctggtgcacc tcttggctca 180
ccagtttctg ctggactccc tctcccatga caggtttctc cctcagcccc tgccctgcca 240
cctccctcca tgtattagcc aaggccctct cctcttgcac ctcagagaaa gccaaagtgt 300
ctgctcagga accccctcca cgtctgtccc cagagcacca cacagatctg cattcagacc 360
tgcttcttct ctcccacct ccaatgtctt tcatctaaag gctgatctgg gcttactatc 420
cccctgtctt gagtcctctt agttacagtc tctgtctcta tacattctgt ctccacctct 480
ctgggttcta cccttgagct cccatatagg ctctattctt gctcatctta acacttgcc 540
ccctcggtat ctgagagtct ttcgagtctt tgctgtgat tcatctcttc tcccctctctg 600
gttaggctac tggatagagt aatctacact ctgtccattt tccgtggtcc catatactcc 660
tgaactcaca gtatctggcc tttttcccca ctgtcactga 700

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<210> 964

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 964

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ttcgagtctt tgctgctgat tcatctcttc tccccctctg gttaggctac tggatagagt 120
aatctacact ctgtccattt tcctgggtcc catatactcc tgaactcaca gtatctggcc 180
tttttcccca ctgtcactga tgctgttctt acaagggtcat cagtggcngc ttggctggta 240
aaccacgcga acaagggtca cacataatgt tctttaactt cccagcagca tttgacagat 300
agattgcctc attctttgtg atgttctctc ctcccttgaa ttctggcata ctgatatctg 360
cttctctttt agcctctctg gtcattttct ctcaagtggc ccctctccca ctgacttccc 420
agtgttagtg ttataagaa gatgttttga gggctgctgg agacaagtaa ccccagcgat 480
tactgtgtg aggtcatgc agaccagct tattccagct ccagaacctc agctgcccc 540
tttagactcc attagagaga gggcagttca gggcacctgc aagatctgtt cactctgtag 600
ccttgagatt ggttgcttgg aggagggaaac cataccctgg cgttgacctc tcacgttcac 660
tcagcaaac catgagtgtc ctgaataggg ttatggggca 700

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<210> 965

<211> 700

<212> DNA

<213> Homo sapiens

<400> 965

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agaccagct tattccagct ccagaacctc agctgcccc tttagactcc attagagaga 60
gggcagttca gggcacctgc aagatctgtt cactctgtag ccttgagatt ggttgcttgg 120
aggagggaac cataccctgg cgttgacctc tcacgttcac tcagcaaac catgagtgtc 180
ctgaataggg ttatggggca gaaaggaatt actccctagg actccatcct tacctcatct 240
tctccctgag caccttcccc aggtgagcac agccatttcc atcacctgag gtggatgaca 300
tccagatctg tgtttcttgc caaggcttgt ctcccagct tctaaccagt gtagacggat 360
gcctttggga catctgtact tgaatgtccc atggacttct cgaacttcat gtgtcctgaa 420
ctgaaatcct catctccttg taaacacttt accttcccc tcatccttct atctcagcaa 480
aaaggacctc catcctctgg ctgcctaagc cagaagccta aggcctatgg attctacctc 540
cttctctcat gtcttccgtg cttatccct gactccagcc tcacagctac ttttttctca 600
atttgattat caaaatacca ttctgacttg tctcctacct ccagcttact gcttaagacc 660
atcctccatg tggctcttaag cacacatttg ttcacatgag 700

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<210> 966

<211> 700

<212> DNA

<213> Homo sapiens

<400> 966

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ctgcctaagc cagaagccta aggcctatgg attctacct cttctctcat gtcttccgtg 60
cttatccctt gactccagcc tcacagctac ttttttctca atttgattat caaaatacca 120
ttctgacttg tctcctacct ccagcttact gcttaagacc atcctccatg tggctcttaag 180
cacacatttg ttcacatgag ttcttgatta ctgtgcttaa tttccaaagc taaacccaaa 240
ctcctcctgt gtgtgggtctt tggggctcctg catgactcca ttttcttggc ttccttgccc 300
attgtactca gctttcccta tctctcagct cttttgtctc aaccttctta taggaatacc 360
tttaccatg tcagctaggc tactccatgt ctgattgcct atcagcactc agctcagctg 420
tactctctcc aaatgctctc caggagtag acattcgagt tggctctggg gaggatgctg 480
agtgccaggg agccattctt agcattcttg gcatctggga gacatgttga taatagctac 540
tggtcattag catcctgggg agcataggag acatcttcat atgtcatctt attgaattct 600
tgccacaagc tctttaaaat tgatgatatt atctttatct agagataagg ggactgagac 660
ttagatatgg taacttgtct atagtcacac agctgggttg 700

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<210> 967
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 967
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 agcataggag acatcttcat atgtcatctt attgaattct tgccacaagc tctttaaaat 120
 tgatgataatt atctttatatt agagataagg ggactgagac ttagatatgg taacttgtct 180
 atagtccacac agctggtttg cgccttagtg aggccaacac aaacctagtt tagttcagct 240
 ccagagcccc agctcagtca gctatgttac tctgccccag caatgtaggt tcctgggcct 300
 gcagagccag aggagacctg tggagaagga aaaggggctc caggagcccc ccagtccctg 360
 gcctacctag ggacttcac tttgtgtttac tgtccccaac ttcttattcc tcgttattgg 420
 ttcttgagcc accgggggta gcagacctg gtctctgaag catttagcct actgtgtagt 480
 ggtttcattc caggcagaaa gagccttctc tgagttcttt tgtgtcagcc atgcccaggt 540
 tgctgttaat ggggctgtgg ggagtcttcc ttgctttcca gggagagtca cagccccac 600
 ttcccccca tgggtatctgc tttctcatta ttctctgagg aaccacacac atagtctttc 660
 ccattcttgag ctcaccctaa atcctgcac tccctatagc 700

<210> 968
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 968
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 ggagtcttcc ttgctttcca gggagagtca cagccccac ttcccccca tgggtatctgc 120
 tttctcatta ttctctgagg aaccacacac atagtctttc ccattcttgag ctcaccctaa 180
 atcctgcac tccctatagc tgcttcttca tattggcttg aaactatctt catgggcact 240
 ttccagcact ccctctacag cagatgacct ttggtcataa gacctactga actgatactc 300
 agcaaggctc ctgccactta acagccaaag ctggcactgc aaccttggct cttggcctcc 360
 cttgggtgtc ctcacaccac tccogctccc tctgtttctc ctatctttag ttcattctca 420
 ggggtattca ttgtctgttc tttctgggta ggtgtccct ggagctctgg ccttagtcat 480
 cttctccatt ctttccctnag agttcctgca agctatcttc ctcacccatg gcttggttgc 540
 cacctaaatt tatgtttttt atattcagct aatttttcca tcctctagac tcatatggca 600
 aactgcccac cagacatctt cttctctgtg gtccacagga ccttccact gtctcaaca 660
 atgttctctg gtgggtttct ggggctcccc ctaaaaaggc 700

<210> 969
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 969
 agttcctgca agctatcttc ctcacccatg gcttggttgc cacctaaatt tatgtttttt 60
 atattcagct aatttttcca tcctctagac tcatatggca aactgcccac cagacatctt 120
 cttctctgtg gtccacagga ccttccact gtctcaaca atgttctctg gtgggtttct 180
 ggggctcccc ctaaaaaggc cccttcccac ttgggagatg gggaatctga ggctaagagg 240
 tggctgtgaa cccagtcga gggcagggtc gggccatctg tctgtgtcct ctgtgtcagt 300

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ggccctttag gatatgcagt ctaaagtgtcc gatggagttc tgcttgggtga tgccccctat 360
ccagtggctc aggctttcct tgaagnggga atctctttcc ctaatccaga ggctcttttg 420
agcctgacaa tttacttccc ctgctgtagg aaccaagtac caggcaatgc tgagtgtgga 480
tgactgcttt gggatggccg ctcgcntac aatgaagggg actattatca tacggtgttg 540
tggatggagc aggtgctaaa gcagcttgat gccggggagg aggccaccac aaccaagtca 600
caggtgctgg actacctcag ctatgctgtc ttccagttgg gtgatctgca ccgtgccctg 660
gagctcaccg gccgcctgct ctcccttggg aaggagattc              700

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<210> 970

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 970

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ctcgcntac aatgaagggg actattatca tacggtgttg tggatggagc aggtgctaaa 60
gcagcttgat gccggggagg aggccaccac aaccaagtca caggtgctgg actacctcag 120
ctatgctgtc ttccagttgg gtgatctgca ccgtgccctg gagctcaccg gccgcctgct 180
ctcccttggg aaggagattc taggggaagg taagatngga atggagagtg gnanaggaa 240
tgactgtgct tggcactctg ctgacccctc tcttgggact gactcagttt accctgtcac 300
ttggccagtg actaatgcct tactgacttt aggaccagtc cagcttctta ctagctcctt 360
acccacctca atcctggcct taggtttgcg cagtcgctga tagatacgct caggcctgtg 420
gcacttgttg gcctttttta taaggactct gttatggtgt atctgtcacc atgcaggact 480
acacagggtg gaacctttac tacatcagga gcagctcagg agtcaggttg tacttttagg 540
ttgttacagt gacaaacagt agcgggtgcta ttagaggcct gaggtctaata agtaggactt 600
catatggcat tgatactttg tgtgccttgt gctgttggac tgaagaaggc caaaagcact 660
gtgcctttta aactcatcta cctttttttt tttttttttt              700

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<210> 971

<211> 700

<212> DNA

<213> Homo sapiens

<400> 971

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tacatcagga gcagctcagg agtcaggttg tacttttagg ttgttacagt gacaaacagt 60
agcgggtgcta ttagaggcct gaggtctaata agtaggactt catatggcat tgatactttg 120
tgtgccttgt gctgttggac tgaagaaggc caaaagcact gtgcctttta aactcatcta 180
cctttttttt tttttttttt tgagacagag tctcactcat ccagcctgga gagcagtggc 240
acgatctcag ctactgtaa cctccgcctc ccgggttgat gagattttcc tgcctcagcc 300
tcccaggttg ctgggattac agaggcacat gcccatggtt gtattttctt tagtagagat 360
gaggttttac catgttggtc aggtggtct cgaactcgtg acctcacgtg atccaccgc 420
ctcgccctcc caaagtgtg ggattgcagg tatgagccac cgcacctggc ctctgttggg 480
tttccagtta cgaccagcgt actctggtta gatgctgtgg aaggtagaat gcagcatgca 540
ggtgagctgc tgggagagaa acccttacag aataatttct ctaaatagacc taacagatgt 600
ttgtggtttc cttttccttc tcattccttg cattttctag acccaagcca cgaacgagct 660
ggaggggaatc tgcggtactt tgagcagtta ttggaggaag              700

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<210> 972

<211> 700

<212> DNA

<213> Homo sapiens

<400> 972

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actctggtta gatgctgtgg aaggtagaat gcagcatgca ggtgagctgc tgggagagaa 60
acccttacag aataatttct ctaaatagacc taacagatgt ttgtggtttc cttttccttc 120

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```

tcattccttg cattttctag acccaagcca cgaacgagct ggaggggaatc tgcgggtactt 180
tgagcagtta ttggaggaag agagagaaaa aacgttaaca aatcagacag aagctgagct 240
agcaacccca gaaggcatct atgagaggcc tgtggactac ctgcctgaga gggatgttta 300
cgagagcctc tgcctgggg aggggtgtcaa actggtgaga tgtgtgaggg ggctaggggtg 360
ccaaagctgt ggacctggac tctggctctg ggcaggcaga tttggggaag gtgttcttta 420
ttctgtaggt acttttctca gtatatcccc cagtttttca tggcatctcc tgaggctgac 480
atgtggatat tctctgaggt gtaggaaagg agactctctc ccctcgtgcc ccaggtagag 540
tgttgctcct ctaagttacc agtgagctcg cctccttacc ccaatatgtc ccactttttg 600
cttcactcac tgttggggaag aaaacaatgg gtggacgtac ctcaggcccc aaaagaagtc 660
atggtataag tggagagtaa gtctctgtgg taaagacacc 700

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<210> 973

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 973

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agtgagctcg cctccttacc ccaatatgtc ccactttttg cttcactcac tgttggggaag 120
aaaacaatgg gtggacgtac ctcaggcccc aaaagaagtc atggtataag tggagagtaa 180
gtctctgtgg taaagacacc agcgtgtact agagcttggt atcgagcctt tgagagccct 240
gggatccctag tgcttcctga ggaggcccag gtgtgacagg ctctgagcct tttccatgcc 300
cctgtctgca tggcttctac tggctcctcc accaagaaag gtttctcccc tgccccagcc 360
cttcagacct actcaagtct tcacgaaaag ggtcaggaat tactttctgc catgggactt 420
gaggatgtga ggtgattttg ggagagaaga aaaattgcat gatttgtggg gtgttatttc 480
atgccagtta agctgaaggg gctctcctct cctctccctt cccccattc cccctctctc 540
tccccctccc cctccccctc cctccccctc cccctccctt ccccccttc cctcctctctc 600
ctccccctcc tccccctctt cctttcttcc ttcttttttc ttctcttttt cctgtttcct 660
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<210> 974

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 974

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cctttcttcc ttcttttttc ttctcttttt cctgtttcct nnttttccct ttnttttncct 180
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caggatgca ccatcatgcc tggctaattt ttagagaca ggtctatgtc atctaggctg 360
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tgagccactg tgcattgccc cctgctggga cttttgtttt cttctgtggg gtgggtggag 480
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gattaggact cactcagctc agggcctgtt actctgtgct ttccagacac cccgtagaca 600
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cttcaaagag gaggacgagt gggacagccc gcacatcgct 700

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<210> 975
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 975
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 accaccatgg caacagggcc ccacagctgc tcattgcccc cttcaaagag gaggacgagt 180
 gggacagccc gcacatcgctc aggtactacg atgtcatgtc tgatgaggaa atcgagagga 240
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 ggggaagggtc ctttttctca tccctagcac tatgggtggt tggtttgccc atctagccac 360
 cctttatcca tatctagcat gggcctaccg tggggataca gagatgcttc agactcagcc 420
 tgacctgtg agttcatggt ccagtggaa aagaacaggg taaccaatgt ggacagccaa 480
 gtgctatcat agaaggctcac gctgggaaca gggcaggtct acactggtgt gtcagttcac 540
 ctggttggga gactggtgctg tgggtgagtt ttttgaaat gttccatagg atgctatgaa 600
 gctgggtcct gtggagctcc tgattaggac tgtaaagtag gtgaatgact tagaggagaa 660
 tgtatatctt tataatatgt ggtcttctca tccaagggca 700

<210> 976
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 976
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 tgggtgagtt ttttgaaat gttccatagg atgctatgaa gctgggtcct gtggagctcc 120
 tgattaggac tgtaaagtag gtgaatgact tagaggagaa tgtatatctt tataatatgt 180
 ggtcttctca tccaagggca tgacaggtct ctccatatct ttttaagttt tcttcatata 240
 agccttgaac atttcttaag tttattcctt ggtagtttct ttgttactgt taatttactt 300
 tatttcttca ttattatttt taactgggta cattatttta ttagtttact atttatatgcc 360
 aaactattga ttttacaat acatttcata gtaagagcta atgtttactg aattcttaac 420
 tgtggcagga acttctaagt gcttaacata tatattaagt gttatgtcac agttatgaac 480
 agctgctcat aatgatgtca ctgtctctgt tttacctatg aaaaagcaaa ctcatacaga 540
 ttgcagctag tgggtgaatt tacttatttc ttttttggtt tttagctgat ttctcttttg 600
 ttgctggat agcattaaca cctggaaata aggaaaattt tattttctcc tgatacttgt 660
 agttcctttg tttttataac cttattgaat tgcccagAAC 700

<210> 977
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 977
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 cctggaaata aggaaaattt tattttctcc tgatacttgt agttcctttg tttttataac 180
 cttattgaat tgcccagaac ttctagagca taattacgta gaataggcat ccttgtctca 240
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 gggaggggag atttagctcg atttcttatt agacctgaaa taggttccta tcctggcccc 480
 aggtgaccag gaggccgcac actcatggag gctctgctcc taatagaatt gtggggcccg 540
 tggacctcat cttggaacag ctttggtctg aggtactagg acatctaggg ctttgagtca 600
 gtggttggca tcatcgatgt ggctgaggaa gggggctagc cagatatatg gagaatgggg 660
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<210> 978
 <211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 978
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 ggctgaggaa gggggctagc cagatatatg gagaatgggg actaggactc ccctttctac 180
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 tagaagccat gcaaagagcc aaacaagggt ggcaaacatg tttggctctt aacatggctt 420
 ctattcaaag ataagctgac ccctcctttc cggagactgt gagggacaga tgctattctg 480
 gctttgaagt agagccaatg agcttaactt ggctgtgtgg gaatgcctgg cagctgtctg 540
 tggggctctt ggctgtcttt caaaatagcc ctgtgcttcc cctggggcag agcacagctg 600
 ctacagagcct ctttgtgggt gtcaggccaa tgctgaggca cagatgtttg gatggggtct 660
 ggctgtgggt gcagttttca gggagggact gacatgagct 700

<210> 979
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 979
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 gtcaggccaa tgctgaggca cagatgtttg gatggggtct ggctgtgggt gcagttttca 180
 gggaggggact gacatgagct gaagctcagg aaggggccatg agtaggagct tgggagccgt 240
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 ggtccatctc acccccttac tagccttctg gtccatctac tcctctccat cccttctgcc 360
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 tccagtcctt cactctggcc cctcattagt caactctcca tgaggatatt acagtgatec 480
 attttacatt cacattttga gtgtccctcc cctgcataaa gccttcccca tttctcgttg 540
 gccacaaggt tgcattctagt tcctagcccc tgcttgtctc ttcagcctgt tctctcttac 600
 tacttcccat aacctttaat ccacacctac tgcaacaccc attttcattc ccaggcctct 660
 ggattgctgc tctttccctg ttctgtaat gtccctctac 700

<210> 980
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 980
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 tcctagcccc tgcttgtctc ttcagcctgt tctctcttac tacttcccat aacctttaat 120
 ccacacctac tgcaacaccc attttcattc ccaggcctct ggattgctgc tctttccctg 180
 ttctgtaat gttcctctac ttggataact catgttaacc ctccaggcct cagctagggtg 240
 gtctcctccc ctaggaagct attcttgaca ctataccctn agcttccana ggatggtaag 300
 ttcacccatg ctgtgctgca gttacctgac tgggtttctg ctttcccccac ttgactgagt 360
 tgtaagagtg cagggggccat gtctcagtta cctagcatag tgccaggcac aaagtaggca 420

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ctcatcaata tttattgaaa tcaaggggaa gtgtgttggg gtgggagtac ctgggcctat 480
ggccccaccc atgtgaggtc atgaggacag tccacagctg aagcacatgg acctttgccca 540
tgttggctgg ctctgggcgg cgagtccccc ttgggggttc actaagccta actgtggagg 600
ctgggggaga tgaagtagat gcagggagtg catgtgtagt gtgtacctgt atgagtgggt 660
ggcttcagg cagtggttca cttattttaa cttacagaat 700
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<210> 981
<211> 700
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
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<400> 981
atgaggacag tccacagctg aagcacatgg acctttgccca tgttggctgg ctctgggcgg 60
cgagtcccc ttgggggttc actaagccta actgtggagg ctgggggaga tgaagtagat 120
gcaggagatg catgtgtagt gtgtacctgt atgagtgggt ggcttcagg cagtggttca 180
cttattttaa cttacagaat cttttcctgg ttttatcatc tgacttgtaa ggatcccaag 240
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ggtgcagcag gagagtgttt ggatgggttt cttggcagag gagccactg aggttcggaa 360
ggatggtgga acttgactca attgagagaa gtacataagg cggaggctca ggcattggtg 420
cacagtctga aaatggtggg agtagctaag ctacaggcagg ctgtgctcag gcaggggtgg 480
tatgtgggcc tggcaaggaa aggggctagt caggcagatg catgggtaga caaggcaggc 540
ataattctgc aggcaaagcg gacctgggga ggagaaggga tgagcagtga ccgagcaggg 600
caatagccag naactgattg cggattggga atgtggaggc ctacagactct tgccctcaac 660
tggcctgcag gatcttgggg ccttggctag agccattggc 700
```

```
<210> 982
<211> 700
<212> DNA
<213> Homo sapiens
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```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

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<400> 982
aggggctagt caggcagatg catgggtaga caaggcaggc ataattctgc aggcaaagcg 60
gacctgggga ggagaaggga tgagcagtga ccgagcaggg caatagccag naactgattg 120
cggattggga atgtggaggc ctacagactct tgccctcaac tggcctgcag gatcttgggg 180
ccttggttag agccattggc tgcaaagctt cctccactag catggcagta aatctggtcc 240
cagtgtcttc tgggaaaata ttcaaggcaa aacaaacaaa caaacaatac aagtcttccc 300
tctcctcctt ccttctagct tgcacgagcc accgttcgtg atcccaagac aggagtccct 360
actgtcgcca gctaccgggt ttccaaaagg taagcaaaga gcaggggttc gtagctgctc 420
aagccccaac ttcaggactt ctcaagtgcct accctaggga tgggtggctt gccttttcct 480
gcctgctggc acctcctcac ccccttgtag caggcatcct gtactgcctg ttcattgctg 540
ccctgactct ggggacagag ttcaggacct catggaagcc tgcccttccg tcttcttttc 600
tctgcccttt tctttttgcc cagctcctgg ctagaggaag atgatgacct tgttggtggc 660
cgagtaaata gtcgtagtga gcataacaca ggttaacag 700
```

```
<210> 983
<211> 700
<212> DNA
<213> Homo sapiens
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<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 983
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 cagctcctgg ctagaggaag atgatgaccc tgttgtggcc cgagtaaata gtcggatgca 180
 gcatatcaca gggtaaacag taaagactgc agaattgtta caggtaacaga tagtacctgg 240
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 tgggccaaga ggccaactg tatgactact gcctgatgct atgaatatgg agtgatctca 360
 ttttaggaaa ccagaattaa tcatgcctgc tggctttcaa caattagtgt tcaacaaata 420
 tctattgagc atctnctgtg tgccaagtg tgctgcaagc tagggatcag gggtagttat 480
 ggtagggttcg ttcattgtct cttgacaaca gaagctcaaa tcttgaatgg tctcaggggac 540
 atctctaaga gagctaaaaa tgacttcaga ggccatgggt ctgtgtcata atcaaataca 600
 tttgaagggtc aaagtattct gtgtgttttc tctgtctgna ccacaactga agttgtctca 660
 aaagcagcag caggggactt cccatgaggg actgccaaga 700

<210> 984
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 984
 cttgacaaca gaagctcaaa tcttgaatgg tctcaggggac atctctaaga gagctaaaaa 60
 tgacttcaga ggccatgggt ctgtgtcata atcaaataca tttgaagggtc aaagtattct 120
 gtgtgttttc tctgtctgna ccacaactga agttgtctca aaagcagcag caggggactt 180
 cccatgaggg actgccaaga tggggctcag tgagaattca aagaaagcgg cactaaaccc 240
 ctgggtcttc agtccacagc atttattagg gaacttgcag agtgggctgc agcaatcctc 300
 aaaatggaca gcaagagaca agaattgttt tacctaagta tttccacagt gagggagtca 360
 gagtgtggag tttatttgag ggtttaggga atttgggtca gggctggggc tagtttcttt 420
 cagtgttatg ggcaacaacc taaacacct catcagtgc tgggaatgtt gaagactcca 480
 gcttgtgttc cagcctgaag ggaaaaacct gcagctgggt ggggtcacaga gctgtcaagg 540
 gagtctgatt ttcagtcaga acaaagaaag aaagggcggg tgggtctggg ggaccttaca 600
 ctgtgatatg taggtggaag tgagaggcct ggactgggtt agctgggtgca ggtggaatgt 660
 tcttgtccaa gtactccac tgggacctg gcttcctgcc 700

<210> 985
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 985
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 tgagaggcct ggactgggtt agctgggtgca ggtggaatgt tcttgtccaa gtactccac 180
 tgggacctg gcttcctgcc tttattcaga ggtgattttg aagaaatgtg gcagcaccct 240
 gctgaaaggt tttgggtaaa gctccttatt aaagtatcct cttgggtaaa gcttagtaaa 300


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gtgtcctctt ggggtattgag tccaaatcag cactgggetat gttcccttat aaatattgga 360
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atctttctag aggcctctgg gtctctctgt ttggccaaag tttctgtata cttaaagata 480
gcagccttta cctttaggat tggcatttgg gtctgatcta ccatagatct cattagaata 540
ttgattaaag atcatttgga aaagattttt tgaacttttg cttggacacg cctaagcaaa 600
tcagccttct ttttgttggt ttttctgtgt agctgcatca gcaattggaa aatcaatttt 660
gaaggtcatc tttatggatt ggtgtgaagt ctaccagagt 700

```

```

<210> 986
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 986
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aaagattttt tgaacttttg cttggacacg cctaagcaaa tcagccttct ttttgttggt 120
ttttctgtgt agctgcatca gcaattggaa aatcaatttt gaaggtcatc tttatggatt 180
ggtgtgaagt ctaccagagt tttaaaaagc ataactgatta ccttgcaaat agtactgtga 240
aatttttaatt tttttttcag ttcagctcaa cttagtgttt tgtaattttt aaataaaattc 300
tgcagataag cacattccatg gaggacttct gcctcatctc ccacttgctg cgtatgtgta 360
agagcaccac catttcaaga gtgataggca ctcttgatgt gctagatgag tccctgttgg 420
cattgtcttg attcatatct tcttggagca ggtttttgtt tttgttttta aagacatctg 480
ccactgcttc ctctgtgtta gagccagtct tcaggacttt catgggtcctg atcaaagacc 540
acagtctgct tggctgattt cataccctgg accaagaggc tgagtagaca ggacctgtgg 600
ctctgttgct ttcttggtta gctgtgcggc tgtactcact gtatccctgt cttacactca 660
cccgtggaag atagcagctt cttgcctatg gactgacttc 700

```

```

<210> 987
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 987
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gctgtgcggc tgtactcact gtatccctgt cttacactca cccgtggaag atagcagctt 180
cttgccctat gactgacttc tctgctacaa ttcagccttt atcttgtctg gcctctcatt 240
gtgtttgtagc tcaattgtct gggggccgaa tgccagacct cttggtagag gggctcttat 300
agttaaggat cttctggaaa ttcagaccac agctgccaaag tggttgagat gccatttttg 360
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gctttgatcc ttcattggtct ggggaacagg aacctgggtt tcagcatgta tccctaagtg 480
cttactccat atgaaatgct tgtggtatga tacatgccta ggcaccagca acagccctca 540
caccaggtcc tttaggaaat gctgcaggcc tctggaaagg agctggttct tctatctggt 600
gacattcttt cagctgtagc tcacatgttt gctgtagatc atttgaagga aaaaggtaat 660
tgaggctttc tgggtgaattg gatgagggct tatctgatag 700

```

```

<210> 988
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

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<400> 988
tgtggtatga tacatgccta ggcaccagca acagccctca caccaggtcc tttaggaaat 60
gctgcaggcc tctggaaagg agctggttct tctatctggt gacattcttt cagctgtagc 120

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```

tcacatgttt gctgtagatc atttgaagga aaaaggtaat tgaggctttc tggatgaattg 180
gatgagggct tatctgatag agaggaagag atgctacacc tctaggattc taaagattga 240
agactttggc tgcacgatgt ctccagcctca ccagaaaagt gatttctgac ctttttaatt 300
ttgcctttac tctgtcctta gcattgtaaa taccacntc tttcaaataa ctgacccccc 360
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gtacagtttc ttgttattaa aggcgtgagc ctggggactt gagtatgcct ggatagggaa 480
tcttactgct gcaaatctag atggtcctat gcattttgta cttatttggg aactgtatta 540
aagaaagtag gtacgggtggc ttcagaacca taatcaaata taattctcca aacctaaaag 600
atgagccagc tctcgcaatg cagcttcttt cactgcctgg gatttgtaaa ttaagcaat 660
ccatttaaca agtggaagta ttggaaaatg cagtcatact 700

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<210> 989

<211> 700

<212> DNA

<213> Homo sapiens

<400> 989

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atggtcctat gcattttgta cttatttggg aactgtatta aagaaagtag gtacgggtggc 60
ttcagaacca taatcaaata taattctcca aacctaaaag atgagccagc tctcgcaatg 120
cagcttcttt cactgcctgg gatttgtaaa ttaagcaat ccatttaaca agtggaagta 180
ttggaaaatg cagtcatact ttgcagctcc agcaacaagc actaattgaa ttttcttgag 240
tgtacctgca cagcagtcac agttgtgttt aaaattttct tccatgccag gtgtcgtggc 300
ttacatctgt aactcagtac ttggggagac caaggcagga ggattgctcg aagccaggag 360
tttgagacca gtctgggcaa catagtgaga ctctgtctct acccccactc cccccaaaaa 420
aaaggagaga gaaaaaaatt ttcttcaagc tcttgactac aaaaagagat atgctttctc 480
agctgctctg gcacttctct ccttagatgc atctccagcc ttagggccac ctgctgaacc 540
aggcttcctt gtgctgttga caggatttcc aggtattttt ggtacaggaa tcttaaaggc 600
tgaagcaatg gatgacaaca tgttttcac cagcttttgt attaaaattt ttatttttgt 660
agacatggaa aatgatactg ccaacatttt gtgctctaact 700

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<210> 990

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 990

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caggatttcc aggtattttt ggtacaggaa tcttaaaggc tgaagcaatg gatgacaaca 120
tgttttcac cagcttttgt attaaaattt ttatttttgt agacatggaa aatgatactg 180
ccaacatttt gtgctctaata aagaggattt catctcttat aaagtccact gtccctttct 240
ttcttgcatt tctttttttg tgtgtatgtg aaacagggtc tcaactctgtt gccaggctn 300
gagtgcagtg gcacagtcac agctcagtcg aaccttgaac tcctgtgctc aagcaatcct 360
ncctgcctca gcttctctgag tagctgggac tacagggtgca cgccactgtg cccagctaat 420
tttttcatta gtagagacag atggggctct gctatgttgc ccaggctggg ctcaaacttc 480
tgagctcaag cagtcctctc acttcagcct cccaaagtgc tgggattaca ggcgtgagcc 540
aacacgcctg gcttctgtcc cactgtttta taggtctctg ttattgctag tttttagtga 600
tctctcacct gactgttggg attgcagaaa aggatataca aaaaatacca actttctgag 660
aacttatggc ctagccccag aggtttttat gttttcagtg 700

```

<210> 991

<211> 700

<212> DNA

<213> Homo sapiens

<400> 991

```

acttcagcct cccaaagtgc tgggattaca ggcgtgagcc aacacgcctg gcttctgtcc 60
cacgttttta taggtctctg ttattgctag ttttgtagca tctctcacct gactgttggg 120
attgcagaaa aggatataca aaaaatacca actttctgag aacttatggc ctagccccag 180
agggtttttat gttttcagtg agacacaata gccaaactgtt cccagatgga cattggtggg 240
gctacttgat ccatcagctt ccatgtcaga ttctgtgctt catctttaac cttgtctctc 300
attctgtcta ctgacgctga gacaataatt gtgatttagg acttcccatt gtgctgataa 360
gctgtccaca aaggcattta caatttctaa tccaatttat gacacctggg agttgctcag 420
atgttacttc aggtccaggg tcacactggg gttgctgatg tagcacggta attcttgact 480
gcctggcagc tggccaccca tgttgtgctg tttcactcca tgcagtagac cactgtggga 540
gtctgcccc ctcagtctca ccaggaatag cagagggtgg aggaacagtg ccagggtgctg 600
agtacctcca aaactagttt aaaaaagaaa atcctcgtct taaatttgtt actcactttc 660
ctctggatta ctttcttaat atgtcccaa caaactgggt 700

```

<210> 992

<211> 700

<212> DNA

<213> Homo sapiens

<400> 992

```

tgttgtgctg tttcactcca tgcagtagac cactgtggga gtctgcccc ctcagtctca 60
ccaggaatag cagagggtgg aggaacagtg ccagggtgctg agtacctcca aaactagttt 120
aaaaaagaaa atcctcgtct taaatttgtt actcactttc ctctggatta ctttcttaat 180
atgtcccaaa caaactgggt ccaggccagg gccgcctca agcagtgttc ctttgtctgc 240
tgtctgagtg tccatgaagg gctgggtgctt ttccctcagt atcatatgca gttcacccat 300
cttgttttgt ttgggaaacc acatttgtgc cgcagcctta ctcttgga gaactgtaga 360
cttgttttgt atgtttgtct tgccctgtgct gccaggggcat ggttgtcttc caccttagag 420
aggctgctct tgggagttct ggttgttttc aggctggga agatggatc cctagagtga 480
ttggtgctta cagagctggt catgctgctt acaaggctca atgctgttat tccccacagg 540
ttgcaaatta tggagtggga ggacagtatg aaccgcactt cgacttctct agggtaagg 600
ctaaatcaca ggtgctttca aagggccctg ctctagctga tttgagaagg gtggagcttc 660
taggagcatt tcagcctcca catcagtacc cccaccctt 700

```

<210> 993

<211> 700

<212> DNA

<213> Homo sapiens

<400> 993

```

catgctgctt acaagggtcta atgctgttat tccccacagg ttgcaaatta tggagtggga 60
ggacagtatg aaccgcactt cgacttctct agggtaaggc ctaaatcaca ggtgctttca 120
aagggccctg ctctagctga tttgagaagg gtggagcttc taggagcatt tcagcctcca 180
catcagtacc cccaccctt gtctctctc cacctctgca tcaccagggg aaactcttcg 240
ttactgggtga atccaaatc tggaaaccaag ggtcctgcag aatgcagtgg agcctggctg 300
tctccctgt agatgtgggg cgttcgtccc ctgccctaat tctgtcacc tttgacctga 360
ttctaaagca aagagcctca ctaggctctt gtgaaaactg ttcttgtccc ttttctctt 420
ccccgtctac tccatgccct agccagaatt tactttgcag ctttggcaca tattccaggc 480
tgatttatgg aacacacact tattactttt cctgaccct tttggctcta gtcttgtggg 540
tgggtgatga agcctgttgt aaacttgggt gaaagtgtt gtctgttgca gcgacctttt 600
gacagcggcc tcaaaacaga ggggaatagg ttagcgacgt ttcttaacta cgtaagtact 660
gggtccaggc ccacctgttc attctcactt aattttgtag 700

```

<210> 994

<211> 700

<212> DNA

<213> Homo sapiens

<400> 994

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tattactttt ccctgaccct tttgtccta gtcttgtggg tgggtgatga agcctgttgt 60

```

```

aaacttgggt gaaagttggt gtctgttgca gcgacctttt gacagcggcc tcaaaacaga 120
ggggaatagg ttagcgacgt ttcttaacta cgtaagtact ggggccaggc ccacctgttc 180
attctcactt aattttgtag aatgatgagc gagatacttt caagcattta gggacgggga 240
atcgtgtggc tactttctta aactacgtga gtatgatgtg tgctgatgag ccctaagggg 300
accctgggtc cagaggggtg ccttatatcc cccccccatc agggctgata tcatctgctg 360
ttaagtaatg gtcaggctct tctggctctc agcacccttc ttggctgcag tagggagagt 420
tggcctctgt ttctattcat ttcccccact gccaccagca ggactttaac attcctggct 480
cctatTTTTT tccccagtgT ttaaaattgt gataaaacag acataacata aaacttacca 540
tcttaaccat tttttaaatg tacggttcag tggattataa tacattcata gtgcgcaagc 600
atcaccacca ttcattttcca tctatTTTtca tcatctaaaa ctgaaactct acccattaag 660
caataattcc agattccccct cctgcagctc ctggcagcca 700

```

```

<210> 995
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 995
ttaaaattgt gataaaacag acataacata aaacttacca tcttaaccat tttttaaatg 60
tacggttcag tggattataa tacattcata gtgcgcaagc atcaccacca ttcattttcca 120
tctatTTTtca tcatctaaaa ctgaaactct acccattaag caataattcc agattccccct 180
cctgcagctc ctggcagcca ccattctgct ttctgtcgtc ntgatttttg ttacttaaat 240
aaatggaatc aaagtattaa cacttgtctt tttgtgtggc tgggtgcataa tgcctcaag 300
gtttatccat gttgtagcat attctggctt cttcttcttc tttttttttt tttttttttt 360
tttgagatg gagtcttgct ctgtcaccca gactggagtg cagtgggtgg atctcggtct 420
actgcaacct cagcctccca gggtcgagtg attctcatac ctcagccttc caagcagctg 480
ggattatagg cgctagccac aacgcctggc taatttttgt attttttagta gagatagggg 540
ttcaccatgt tggccaggct ggtctcaaac tcccgacctc aggtgatccg cccccctcgg 600
cctcccaaag tgctgggatt acaggcgtga gccactgcgc cctgccattc tggttccttt 660
ttgatgggcc cagtgtctagt ctggactttt gggatgggtg 700

```

```

<210> 996
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 996
aacgcctggc taatttttgt attttttagta gagatagggg ttcaccatgt tggccaggct 60
ggtctcaaac tcccgacctc aggtgatccg cccccctcgg cctcccaaag tgctgggatt 120
acaggcgtga gccactgcgc cctgccattc tggttccttt ttgatgggcc cagtgtctagt 180
ctggactttt gggatgggtg ccctggaggg ttccctcctt ggcatacagag tgaggagata 240
gccttagctc tctctagatg agagctgcct ttgtgttctc caaggcttaa tggcctgatt 300
cccacctctt gcctctgttt tatccatagg ttgtagggtt tatctttcac atgaggagca 360
gtttcctctc cctctgctg agagccagct ctaaagaggc atagaggcag taaagtaact 420
tggagacaga agcctgtgtc cattttttcc ctttatgctt ttattgtgtg gttattacat 480
gctggggatt gtgctgtgta catgctggtg agcagaacat atgtggtctc ncttgtgctt 540
gaggtccaat atgagagact tattttaaac atcagagaga ttcttcttta tctttttttt 600
tttttttttt tgagacagac tctccctctg ttgccaggc tggagtgcag tggcgctatc 660
tcagcttact gcaaaactctg cctcccagggt tcaagcgatt 700

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<210> 997
 <211> 700
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 997
catgctgggtg agcagaacat atgtgggtctc ncttgtgctt gaggtccaat atgagagact 60
tatttttaaac atcagagaga ttcttcttta tctttttttt tttttttttt tgagacagac 120
tctccctctg ttgccaggc tggagtgcag tggcgctatc tcagcttact gcaaaactctg 180
cctcccagggt tcaagcgatt ctctgcctc agcctcccaa gtagctggga ttataggcgt 240
gcaccaccat gccagctaa tttttgtatt tttagtagag atgaggtttc accatcttgg 300
ccagactgggt ctcaagctcc tgacctcaag tgatccaccc gccttggcct cccaaagtgc 360
tggcattaca ggcgtgagcc accatgcccga gcctaaacat cagagagatt attatgtagt 420
tatggagaca ggtgctgtga accccaggct tgggggttcag tggaggcctc tctttggaag 480
taacatatca gttgagactt aaaagttgag tggaaattag ctggtagaac atgggttctg 540
gcagaagaga gagtgtatgt agtcctgtaa gagaaaagga acttgggatg ttggaaagg 600
agaaaaaggc tgggtgtgtc ggagagaggc tagtgagact gacagggcct tgggggttcta 660
gaaaagaatc tgagtttgat ccacagggct gtgagaagcc 700
```

<210> 998
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 998
aaaagttgag tggaaattag ctggtagaac atgggttctg gcagaagaga gagtgtatgt 60
agtcctgtaa gagaaaagga acttgggatg ttggaaagg  agaaaaaggc tgggtgtgtc 120
ggagagaggc tagtgagact gacagggcct tgggggttcta gaaaagaatc tgagtttgat 180
ccacagggct gtgagaagcc atcagagctt ttgtcttatt catttaccat atgtctgtca 240
agtacccttc agtgagtctg gtatgtgtcc tgtggaaata ttttttacct ccaattttta 300
ttaaattatg gacaaaaaaa gtaagagagc cagatgggaa agaagtagtg ctttggccat 360
gagtcaaggc atgctctgtg ggcattgagta cagccttgct agtgtggaac ttgtgttcaa 420
tgtagtttaa ggccttacca taggagaaag cagggcctct agagacacag tgccccaccc 480
ttccactcag ttggccccag gaagggtggc tactctggga aggtgaagg  ctgactagag 540
cagcaaacta ctagagccag agaaacagag ctgcagtggg gactgcacat ggtgttggaa 600
acagtacaga gtcctgggtc agggcacttt gcagagtaca gtggccttagg caaggccaag 660
gctagatggg gattcaaagg gtgggggtcag aacaggcatt 700
```

<210> 999
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 999
gaagggtggc tactctggga aggtgaagg  ctgactagag cagcaaacta ctagagccag 60
agaaacagag ctgcagtggg gactgcacat ggtgttggaa acagtacaga gtcctgggtc 120
agggcacttt gcagagtaca gtggccttagg caaggccaag gctagatggg gattcaaagg 180
gtggggtcag aacaggcatt ttctgagtac agactcagat tattttcatc cagggacagc 240
ccggatgtgg gtctcctgtg ggcctcaact cttgaacact catgacatgg agactgttct 300
aatgaatcac actgggttaag taggcattgg aagagccttt cttggctaaa gggctggcca 360
tggagcagac accaagtagt gtcactcatg ctgagaggag ggcaatctat atacctgtc 420
atgtcctttg tggctcaatt gctctgagag ccttgggtag gagggcaag ctctatgtct 480
tatattttcca gatgagtgat gtagaagctg gtgggtgccac cgtcttcctt gatctggggg 540
ctgcaatttg gcctaagaag gtaagttctg attcctgtgg gtcagagggtt gaagcaaggc 600
```

```

tcagacttta ctttgtccat gtcccccagt accattacct ggccctgcctg attgtcactg 660
tgatgtgcct tagcccacct ggggtctgac ctggtagccc 700

```

```

<210> 1000
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1000
gtagaagctg gtggtgccac cgtcttccct gatctggggg ctgcaatttg gcctaagaag 60
gtaagttctg attcttgtgg gtcagaggtt gaagcaaggc tcagacttta ctttgtccat 120
gtcccccagt accattacct ggccctgcctg attgtcactg tgatgtgcct tagcccacct 180
ggggtctgac ctggtagccc agcttctccc tgtgaagaaa ggacaggagg ggaagtccct 240
tcaggggtgg gtgagttccc agaactctac ctcagaaagg taggtgcttt ctgggaaatg 300
tctctgttgc tggagtccca gagccctatc ccctgtccat gggaaaatga ggggtgtttct 360
gctcagggca gagcttctgt gatgcttgca gtcaggctcc tgagcacagt ctcttaagaa 420
tgtgttctga aaggccatct ctttcccagg gtacagctgt gttctggtac aacctcttgc 480
ggagcgggga aggtgactac cgaacaagac atgctgcctg ccctgtgctt gtgggctgca 540
agtggggtga gtgtcttaag gggtagtggt ggtgttggtg gcctcagctt gggcctttgct 600
tattggcctt agattctgag ctgggaggca actgctgcca aatttgctga gactgtctcc 660
cttcttaggt tttttctgc tgttattacc atccagccat 700

```

```

<210> 1001
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1001
cgaacaagac atgctgcctg ccctgtgctt gtgggctgca agtggggtga gtgtcttaag 60
gggtagtggt ggtgttggtg gcctcagctt gggccttgct tattggcctt agattctgag 120
ctgggaggca actgctgcca aatttgctga gactgtctcc cttcttaggt tttttctgc 180
tgttattacc atccagccat gtaatgtcca tgcagctggt aaatgccaaag gcagctgggt 240
ggaaacactc agagatacac aggaagctga agaaggcctg aggacgaata gctgcataag 300
caccataggt ccaggaccct ctggcaaggc ttctgaggga gcagagtggg gagctggaag 360
cagtggaggg aaagagtgtc tcaggcaaac aaggcccata tggatggagg cacaggctaa 420
aaccagcata cgggtgtggg ggctggctcc cttgtcactt gaagaaaggg aggcctgtgg 480
cacaggggcc agaagatgag gctggaggct gggacaaac tgcagaggct caagcttgag 540
ccttatcctg ggagcagttg tggtagcct cggagaggct caaaccagga tatgacagga 600
agtgtttgta aggagatgag tgtgtagccc ccttgagag ttttgaagat aaatagtgat 660
aggtttgcag ataattaagc aaatggaaaa gaaaacaagg 700

```

```

<210> 1002
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1002
gctggaggct gggaccaaac tgcagaggct caagcttgag ccttatcctg ggagcagttg 60
tggtagcct cggagaggct caaaccagga tatgacagga agtgtttgta aggagatgag 120
tgtgtagccc ccttgagag ttttgaagat aaatagtgat aggtttgcag ataattaagc 180
aaatggaaaa gaaaacaagg cagttgctga attcagggga aaaaaagttg tacaagaaag 240
gaaatgtaag tataatctac tagatggctc aggtgtaaca catgatataa ttatgtacac 300
actgagtatt actttaacta aaacttatga ttacctgta ctggaaagggt gggaggggat 360
gagtttgtgt tttaggggta gaataaaaga attccaaagt tgaaagtcaa ggaatagaac 420
tataagcatc ttatctagaa aaatgagggt aaatatcaga agaaacagct agaggagttt 480
aatgttccct gggagtggag attagggatg ggaaggagag gcttaggagg agtgctatatt 540
atcattataa gccttgcgac aattttatgt ttttcaatga agtacatgtt attactttat 600
attttaaaag ctctgtgact tcagtagtgc attgaaataa aatttttatt cattatgaga 660
gagtctgtga ggaacagaat catggttcct gtgtgtttga 700

```

<210> 1003
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1003
attaggggatg ggaaggagag gcttaggagg agtgctatatt atcattataa gccttgcgac 60
aattttatatt ttttcaatga agtacatggt attactttat attttaaaag ctctgtgact 120
tcagtagtgac attgaaataa aatttttatt cattatgaga gagtctgtga ggaacagaat 180
catgggttcct gtgtgtttga agatatggcg tggggtgata gtgctggcag cagctctgtt 240
gctcttggtgc ccatggcata cagactggat ctgctggccc acggtcctg aggttaatgt 300
ccaagccctc tgcaatgctg acagtcttcc tcactctcac accctacctc tcagtttcta 360
cctgccacct ccagtaata ttaggcctct tgagtcacca acacacgtca ggggtggcttc 420
tgcttgatt actttctcat cctgttggtc ctctggggac cctcttggtg agagaaccat 480
ctgggtatgc ccatcttctt cccaggataa cttctatgta gctttatatt ctagccctag 540
gatttcctct tccctctaag agcaagaaac atgtgtgcag gttgccatgg gaatagagcc 600
aaagggcatc aaagggtcatg ggcataaag ggcataaag gatgccctg ggtgctattc 660
ccatggcaac ctgcacacat gtatcttggtc ccactggcag 700
```

<210> 1004
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1004
cccaggataa cttctatgta gctttatatt ctagccctag gatttcctct tccctctaag 60
agcaagaaac atgtgtgcag gttgccatgg gaatagagcc aaagggcatc aaagggtcatg 120
ggcatgaaag ggcataaag gatgccctg ggtgctattc ccatggcaac ctgcacacat 180
gtatcttggt ccactggcag aatttcatac aattatctgt ttacatgtgt cttccttacc 240
aattcttcag caaattgagg cctgagatca tgtcttggtc tatttggtgc tgattccagg 300
gcacagtgcg ggggtgcac atgaaggagt cattcattca ggctactaaa ctgaccaata 360
ggattgtaac atgcttgctt tcttttcaca gtctccaata agtggttcca tgaacgagga 420
caggagttct tgagacctg tggatcaaca gaagttgact gacatcctt tctgtccttc 480
cccttcctgg tccctcagcc catgtcaacg tgacagacac ctttgatgt tcccttgat 540
gttcctatca ggctgatttt tggagaaatg aatgtttgtc tggagcagag ggagaccata 600
ctagggcgac tctgtgtga ctgaagtccc agcccttcca ttcagcctgt gccatccctg 660
gccccaaaggc taggatcaaa gtggctgcag cagagttagc 700
```

<210> 1005
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1005
catgtcaacg tgacagacac ctttgatgt tcccttgat gttcctatca ggctgatttt 60
tggagaaatg aatgtttgtc tggagcagag ggagaccata ctagggcgac tctgtgtga 120
ctgaagtccc agcccttcca ttcagcctgt gccatccctg gccccaaaggc taggatcaaa 180
gtggctgcag cagagttagc tgtctagcgc ctagcaaggc gcctttgtac ctcagggtgtt 240
ttaggtgtga gatgtttcag tgaaccaaag ttctgatacc ttgtttacat gtttggtttt 300
atggcatttc tatctattgt ggctttacca aaaaataaaa tgtccctacc agaagcctta 360
aagagcctta cttggagtat ttttaagact ggaagctttt accagggttc tcatctccta 420
tgcatacct tcatgcaggc agagtctgga taatgaatgc tttagcagca aaaaagcatc 480
ttgggtcttg gatttcagac ctggtttcaa cacttggtgt cctcctaagt gtcagtgtcc 540
ttttctggaa agtagggtaa atagtttctc tttgtctccc agagaacata gcacatgtgt 600
tcatgattgt aatgctgtta taatgtgtac ttcattttta aattttgaga taagaattgt 660
tcatgatata cagatgtata cttaaaaaaa tatgaagggtg 700
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<210> 1006
 <211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1006
 ctggtttcaa cacttgtggt ccctctaagt gtcagtgtcc ttttctggaa agtagggtaa 60
 atagtttctc tttgtctccc agagaacata gcacatgtgt tcatgattgt aatgctgtta 120
 taatgtgtac ttcattttta aattttgaga taagaattgt tcatgataca cagatgtata 180
 cttaaaaaaa tatgaagggt agcaggagca cctgtgtcaa caccaagtta gaaaagagaa 240
 cgttttcaag tcagtacctc aggagcccc tgggaacccc tcctagatca catctccttc 300
 actgccccca gcactttgga gataaatcat tgtctcatga tgtgtggtac tcattccttt 360
 gcttgtcttt atagttttac catctatgat tagatcccta aataagtagt tattctgttt 420
 tccctgattt tgaactttta ctaatagaat nagagtaa atttttgggt atgtggcttc 480
 ttttgttcaa cattgtttta agattcatcc gtgttgcttg tgtagctgta atttgtttta 540
 atctttatag tacattcagt tttgttaatg cttattgtag gactgtacca taatacaggc 600
 agcatgctgc tgataaacac tgggaattgat ttcagtcttt gtatattgtg aataatgctg 660
 tgataaacat ttttatacat gattcctggt gcacatataa 700

<210> 1007
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1007
 agattcatcc gtgttgcttg tgtagctgta atttgtttta atctttatag tacattcagt 60
 tttgttaatg cttattgtag gactgtacca taatacaggc agcatgctgc tgataaacac 120
 tgggaattgat ttcagtcttt gtatattgtg aataatgctg tgataaacat ttttatacat 180
 gattcctggt gcacataata acacataatt ctgtaggata tatatctagg agtggaaatg 240
 tggagtctta atggtgttcc aactttacta aataatgtat tccaagggtg ttatacacat 300
 tctcaccagg agtaaagtag agttattacc ccaatctttt ccantattta gtattttcat 360
 acttttgaat tttagctagc ttggtacatg ttacggacta aatgtttgtg tccccccacc 420
 agattcatat gttgaaatct tttttttttt tttttttttt gngacggagt ctcgctctgt 480
 cgcccaggct ggagtgcagt ggcgngatct cggctcactg caagctccgc ctcccggntt 540
 cacgccattc tcctgcctca gcctcccaag tagctgggac tacaggcgcc cgccactacg 600
 cccggcta at tttttgtatt ttttagtagag acgggggttc accgttttag ccnggatggt 660
 ctcgatctcc tgacctcgtg atccgccccg ctccggcctcc 700

<210> 1008
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1008
 ggcgngatct cggctcactg caagctccgc ctcccggntt cacgccattc tcctgcctca 60
 gcctcccaag tagctgggac tacaggcgcc cgccactacg cccggcta at tttttgtatt 120


```

ttagtagag acgggggttt accgttttag ccnggatggg ctcgatctcc tgacctcgtg 180
atccgcccgc ctccggcctcc caaagtgctg ggattacagg cgtgagccac cgcgcccggc 240
ccatatgttg aaatcttaac cccaatgtg atgatattag gatgcggagc ccttgggagg 300
tcgtaagcat ggagcccacg tgagtgggat tagtgccctt atgaagagat cccagccctc 360
tttctgccat gcgaacacac agcaagaaga tgcctgtcta tgaaccaggg ggcccttacc 420
agaaacaanc ctactagcat cttgatctcg gactttccag ttcccataac catgagaaat 480
aaatgttttt aattcaatgt atggtatttt attatagcag ctctaccta gacagtacat 540
gtatagtgtc tatttgaaca ttactgataa tgttgaacaa cttttcatgt ttattagtta 600
ttaggtttct tcaagtgttc ttattcatac aaattttaaa atatgtacac aagttctttg 660
ttatatatatt tgcaaatatc ttctgtggct tgtcttttca 700

```

<210> 1009

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1009

```

atggtatttt attatagcag ctctaccta gacagtacat gtatagtgtc tatttgaaca 60
ttactgataa tgttgaacaa cttttcatgt ttattagtta ttaggtttct tcaagtgttc 120
ttattcatac aaattttaaa atatgtacac aagttctttg ttatatatatt tgcaaatatc 180
ttctgtggct tgtcttttca ctatttttagt tctgtctttt gataaacagg agctttttaat 240
ttttatgtca aatctatcaa gctttttctt tttgatttat gttttttatg tcttatttga 300
gaaatccttc tataccccaa gatcatgagg atgtttcctg tgttctcttc tgaaagctat 360
atagtctttg tcattttaggt ttatctttat acgtggtagt aagtgtaaag ttctactttt 420
aattttttgc atattttatt aggataggat gggctttttc tgtagtaata atccntaaat 480
ctcaggggct taatatataa aattgtctca tgcaaaaaac cactgggtct agggcaattg 540
ctatctactg ccgtctaate tccctctagt ggcttccatt ggtagaccct aacaggaagc 600
cagctgataa gggaatctgg gaaatgtagt ttacagagtg gcagctacag tagaacagta 660
gagactacaa ggatgagctt gcagctgaga atagaaacgt 700

```

<210> 1010

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1010

```

aattgtctca tgcaaaaaac cactgggtct agggcaattg ctatctactg ccgtctaate 60
tccctctagt ggcttccatt ggtagaccct aacaggaagc cagctgataa gggaatctgg 120
gaaatgtagt ttacagagtg gcagctacag tagaacagta gagactacaa ggatgagctt 180
gcagctgaga atagaaacgt gactggcaca ctagggtggt tgtttgtagg ttttttcttt 240
tctgttttga gatttttttg gattcttgaa tttgtacaat gntntcctta atcaattgtg 300
gaaaattaaa tgattttttc tttcagcatt gtctgtttct catattttta tatatatgct 360
agttggatca tatcatgata ttatctctta atctgtcttt catattttta tatatatgct 420
atatttgggg agaactttat agctgttttg tacaaagttc actaattctg tcttctatca 480
agtgcataca ggagtctggt taaggacttt aaagatgtaa ttctttgttt tctggcttat 540
accatttctg ttgaaaagtc gctatctggt cctttgttgt tcttttgaag gtgattttgc 600
cttcacctgg ctgcttttaa gatttttttc tttttgggtt tcagtagttt tactatgggt 660
tacttagtat ggttttcttt ttcttttctt gcttggcatt 700

```

<210> 1011
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1011
taaggacttt aaagatgtaa ttctttgttt tctggcttat accatttctg ttgaaaagtc 60
gctatctggg cctttgttgt tcctttgaag gtgattttgc cttcacctgg ctgctttaaa 120
gatttttttc tttttgggtt tcagtagttt tactatgggt tacttagtat gggtttcttt 180
ttcttttctt gcttggcatt tagcttcttg aatttctggg ttgatgtctg atcaattttg 240
gaaatttctc agacattata tcttcaacta ttgtttctgt cccatttttt ctctatctgc 300
tctgagactt cagtaatctg aatgttagaa cttttcatag tgctctatat atctccagtt 360
cttgtgtctc tcatgctttt ttctttgtgt ttcagactag atattttata ctgatctgtc 420
ttgcaattca tttattactt ttgctgctaa acccatctac tgagttctta atttcatttt 480
tcttatattt ctcagttcta aaatatccat tcatgtcttt tttttttttt ttttnccttg 540
agacggagtc tttctctgtc acccaggctc gagtgcagtg gcgggatctc agctcactgc 600
accctctgtc tcccagatta aagcaatttt cccacctcag cctccaagt agttgggatt 660
agaggcacgc accaccacac ccagctaatt tttgtatttt 700
```

<210> 1012
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1012
aaatatccat tcatgtcttt tttttttttt ttttnccttg agacggagtc tttctctgtc 60
acccaggctc gagtgcagtg gcgggatctc agctcactgc accctctgtc tcccagatta 120
aagcaatttt cccacctcag cctccaagt agttgggatt agaggcacgc accaccacac 180
ccagctaatt tttgtatttt tagtagagat ggggttttgt catgttggcc aggctggctg 240
caaaactctg acctcaagt atccacctgc ctcagcctcc caaaatgttg ggattacagg 300
cgtgagccac cacggttggc ccattcatgt ccttttaatg gattttaact ctctggagaa 360
tctgtcttct gttttctctg tgtttttctc ggactgataa atcagttatg tgaatttttt 420
tgtccgataa cgccatgatt tccatattct atggctctct ttctattgtc tttttccctc 480
cttagtttct ggatcatttg tccactctgt tgatatgcct ggcaattttt gattgaatgt 540
gtatgacaaa ttgtagagcc tctggatgga taacctcctg cacaaagggc tcaccctttc 600
ctctactatg cagagtgggg atcaatcacc ttaatccagt aaggatctga gctgacttaa 660
aattaagact ggggtggtagt tttcttaaga ctctatctct 700
```

<210> 1013
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1013

```

tccactctgt tgatatgcct ggcaatTTTT gattgaatgt gtatgacaaa ttgtagagcc 60
tctggatgga taacctcctg cacaaagggc tcaccctttc ctctactatg cagagtgggg 120
atcaatcacc ttaatccagt aaggatctga gctgacttaa aattaagact ggggtgtagt 180
tttcttaaga ctctatctct ggtttaccct tatttcccc cttataggat gtagtcctcc 240
aggattttct aattgagagc ctagtgtgtt cactggatct gttccactg gcagttcctc 300
aactctaatt cttgtcttct cagtaccaga ctcagcccaa aaaatttatc ctccctttca 360
aagaatttga atttttgaat ctaagcagat attttttgct taccttctta gccttgcatt 420
ctgcacagcg tcagaattca gaaaatgcct cagtgggtaa acaggctgag tggccaagtt 480
ctccactcct cctctttatt caatattctg agaaactact ggctaatttt ggtttttcaa 540
tgccccctga cactgtcaan nnnnnnnnnn nnnnnnnnnn nnnntnnnan ntnnncattg 600
ctctggatcc tcattcttac cccatggcta caatcagtaa ataataataa taataataat 660
nattattatt attattatna ttattattat tttgaggtgg 700

```

<210> 1014

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1014

```

caatattctg agaaactact ggctaatttt ggtttttcaa tgccccctga cactgtcaan 60
nnnnnnnnnn nnnnnnnnnn nnnntnnnan ntnnncattg ctctggatcc tcattcttac 120
cccatggcta caatcagtaa ataataataa taataataat nattattatt attattatna 180
ttattattat tttgaggtgg agtctggctc tgtcaccag gttggagtac agtggtgcaa 240
tctcggtcca ctgcaagctc cgctcccgg gttcacgcca ttctcctgcc tcagcctccc 300
gagtagccgg gactacaggt gccaccacc acgcccggct aattttttgt attttttagt 360
agagatgggg gttcactgtg ttaggatggg ctcaatctcc tgacctcgtg atctgtccgc 420
ctcggcctcc caaagtgtg ggattatagg catgagccac cacgcccggc cagtaaattg 480
tttaaggata aaagagacta cagacttttg gtcacccac aagatttatc cttcttcagg 540
atcttgatgc tcaaactctt tttgcttcag caattgactg atgtcttcca acaattttta 600
gagattttat tcagctttat tctaggaatg aaaattggtc taccataagc tactctatct 660
tggaagtaga agtggcctat tcatttttta aaaaatcatt 700

```

<210> 1015

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1015

```

cagacttttg gtcacccac aagatttatc cttcttcagg atcttgatgc tcaaactctt 60
tttgcttcag caattgactg atgtcttcca acaattttta gagattttat tcagctttat 120
tctaggaatg aaaaattggc taccataagc tactctatct tggaagtaga agtggcctat 180
tcatttttta aaaaatcatt tttcctatac tgatacagaa aaccttatct ttcataatct 240
cttttgttac ctagtataac aagacgcttc acactcatct tgagcatttc tgacattaag 300
catggaatca gccgttaaag aatcttatta tatgttgatg tctgcctatc aatcccagca 360
tggtcctggg aacaagcatg agataacttc tgtcttagag ccagggcact gctttcagca 420
atccttatta attgagcttg gcattaatat gttcactagg gcagtaaaga gttattgagc 480
gtttcattat gcatttggtg ctgtgctagg gatgttacag tctattactg cattcagcaa 540
ctcttcagaa cgaatacata agaagcagaa cgtcagaaag gttaggtaat atacctgagg 600
tcacatgaag tctcattgct ggtaagtggg ggacctggga atgaaactnt ggcagcttcc 660

```

aaaagccttt gctctaaaac aaaatttata ttttcatgca

700

<210> 1016

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1016

```
ctgtgctagg gatgttacag tctattactg cattcagcaa ctcttcagaa cgaatacata 60
agaagcagaa cgtcagaaag gttaggtaat atacctgagg tcacatgaag tctcattgct 120
ggtaagtgga ggacctggga atgaaactnt ggcagcttcc aaaagccttt gctctaaaac 180
aaaatttata ttttcatgca tttaacagtt attaaagatt tgatggggaa acataaagac 240
tgtctttatc tttaaagaat tctgagcaat ggaagggact cataaatagg tgtgtgaaat 300
gtgagaagtc tggtaacaga gaatgtgctt gaggagcaca gtagagtga ggtctacttt 360
aaccaagaag ttggcactac agtaggcacc gttggagctg ggtcttgaag tatgagcagg 420
aatttgttta ctgtgctatc ctagttttaa atacatgcac gtggctttaa aaataaggga 480
caaaggaaat taccctaaat agttgctgtc ccaccttact gccaaactcct agtccccctt 540
cctagaggaa ccttttcaaa ttatttttaa tttttctgcc tattaaatgc ttataaaatg 600
ctgttccttg atttttccac ttcagaaatt tgagagatga tcatttagtt tatattcact 660
atctcccatg gtacctcccc ctgcctttgc cattttttga 700
```

<210> 1017

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1017

```
agttgctgtc ccaccttact gccaaactcct agtccccctt cctagaggaa ccttttcaaa 60
ttatttttaa tttttctgcc tattaaatgc ttataaaatg ctgttccttg atttttccac 120
ttcagaaatt tgagagatga tcatttagtt tatattcact atctcccatg gtacctcccc 180
ctgcctttgc cattttttga tagttatatt ttgtatagtc ctctcttggt tgccctggca 240
cataaatttt tttgtttggt taaaactaag atggtgagat gaagatctaa actagaattt 300
taccaaacaa atgatcacta ttgtctagcc aagttgacac atagaattaa gtatcatata 360
cccttttgtc tcccaactgc cggtcagtta tgctttggac attatttttag tagccatagt 420
aagttgcttc taaaagtga aaacacaaat gttatgtttc ttaatttcgt tgaattagtc 480
actataatgt tgatgtagct aatcataaaa aggaatttgt gtcttatttg tctaatagaa 540
ttcaaaatga atttataatg tatataattt gatagggcta caataacaaa ataccacaca 600
ctgggtggat caaacaaaag gaatttgttt tcttactggt ccagaggcta gaagtctagg 660
atcaagggtg caacagggtg tgtttcttct gaggcctcac 700
```

<210> 1018

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1018

```
aatcataaaa aggaatttgt gtcttatttg tctaatagaa ttcaaaatga atttataatg 60
tatataattt gatagggcta caataacaaa ataccacaca ctgggtggat caaacaaaag 120
gaatttgttt tcttactggt ccagaggcta gaagtctagg atcaagggtg caacagggtg 180
tgtttcttct gaggcctcac tgccctggctt ggtctgtgtg ttgtctatgt cacctcttgg 240
tctatgtgtt gtctatgtca tatcggatta aagcctgcac atatgaactc attttacttt 300
aattatgtct ttaatgccct gttgccaaat acagtcacat attgggttag gacttttagca 360
tatgaatttt gggagaacac ataaaactac taggaaatca tgtagatct gatatactat 420
tgagactaaa gcaaaatact tttccttact ctttgtacat cagatatagc ccatcatgaa 480
```

```

caaatgtatc tgattattaa gtatgtttgc ataagaataa tgtcataaca ctagaagttt 540
tttatTTTTga gaaaagagat ataggctctt atgaaattat taataaattg aaaaaagata 600
ttgacataaaa atatctttga ggccatggat ataattggac aaatacagca ggtgtgtata 660
taaggggtgga aaagccatta ttttccccc aaatggttat 700

```

```

<210> 1019
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1019
gtatgtttgc ataagaataa tgtcataaca ctagaagttt tttatTTTTga gaaaagagat 60
ataggctctt atgaaattat taataaattg aaaaaagata ttgacataaaa atatctttga 120
ggccatggat ataattggac aaatacagca ggtgtgtata taaggggtgga aaagccatta 180
ttttccccc aaatggttat gccaaataag ttcataatct gtgcaaaaat gctgcttcta 240
tgaattaaaa tataaccctt ttagtgtgta caaatgatac ataatctttt atgaattcat 300
tgagcagtgg aatgttatgc ttgttctaaa aactacatta aaaacaaatc ctgagaggca 360
tcaaagtcaa atatgatcaa ggtactttac acaaagatgt ttgtcaaata ttaaaagaac 420
ataaaatgac aaaatacaat atcctgaaat aggaaccatc tttgtgtgaa cagattacaa 480
atTTTcatgt aacttgtcta tgtggcatgg catTTTgaac taaatatagt agaaaaaggt 540
ttatgaaaaa aaagactata tacaaagctg catgcttaag aaaaggccta ttcgTTtgct 600
tataacaaat gagngnaagt aacttaangt tatgtttcgt taatgtaana ctttaaangn 660
gntataantn tacttnangn naaatcagaa atatacaaat 700

```

```

<210> 1020
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1020
tgtggcatgg catTTTgaac taaatatagt agaaaaaggt ttatgaaaaa aaagactata 60
tacaaagctg catgcttaag aaaaggccta ttcgTTtgct tataacaaat gagngnaagt 120
aacttaangt tatgtttcgt taatgtaana ctttaaangn gntataantn tacttnangn 180
naaatcagaa atatacaaat tactgaatga gtatatcaat tattgtggga aaagtgttcg 240
tcgaatagaa attaaagaga ttacagatgt cctagagatg gagatatgaa aaatcaaatg 300
aagtatTTTT gtatTTTTac ttggagaaat tttctacgaa tacatctgat taacaaaaag 360
cagccatggc cttgacttac ctcttaaata gtccaatgat ttatatcctg tggcaatttc 420
atctgaaata gtggtaaata gcatgcaata tcaatagttt gcatgaacaa atgtgaccct 480
gaaagagcca gtccttcaag atggatctta agtggctgag tgggcctaaa tttaaagcag 540
agccaagaag ccatttggtg actagaggcc acacacctat tttgagttcc ctgaaaaccc 600
acacctcttt aactttggaa ctttcagagc tcacctgaac cagccaatca gagcccacct 660
cccttgctgc tcagttgtat caaccaatca gaactgtgtt 700

```

```

<210> 1021
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1021

```

```

atggatctta agtggctgag tgggcctaaa tttaaagcag agccaagaag ccatttggtg 60
actagaggcc acacacctat tttgagttcc ctgaaaaccc acacctcttt aactttggaa 120
ctttcagagc tcacctgaac cagccaatca gagccaccc ccttgctgc tcagttgtat 180
caaccaatca gaactgtgtt tccatctcat ttgtatcagt gcacctgatt ggggaaccagg 240
gcaggaactt ttgctataaa gctagaaccc ttcccttggt ctttggaccg caccttcctt 300
ttacattgaa ggctgtgttg gactccctag tttgcaaact attcactgga ataaagtctc 360
tttcttccag ggaacttttg ttcacatttg taatataaaa tcatgatgtt tgtatcctct 420
aaaacggatt tgcaaatttt tcttcgggca gccttaccca aatttcaaaa tggtcctgat 480
aattttttta aaacaatacc agtcacagtg tgatatagtt tggatctgtg tccccaccaa 540
atctcatgtc aaattgtaat cttcagtggt ggtcatgggc ctggtagtcg gtgattagat 600
catataatgg aggcggctct tcatgaatgg tttagcacca ttcccttggg gctgttctct 660
tgatagttag ttattgtgag atccggttgt taaaaagtg 700

```

<210> 1022

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1022

```

agtcacagtg tgatatagtt tggatctgtg tccccaccaa atctcatgtc aaattgtaat 60
cttcagtggt ggtcatgggc ctggtagtcg gtgattagat catataatgg aggcggctct 120
tcatgaatgg tttagcacca ttcccttggg gctgttctct tgatagttag ttattgtgag 180
atccggttgt ttaaaagtg gtatacactt tgggaggtcg aggcgggcgg attgctttga 240
gctcaggagtg tcaagaccag cctaggcaat atggtgaaac ctcatcccta caaaaactac 300
aaaaattaac tgggcatagt ggctcactcc tgtagtccca gctactcagg aggctgaggt 360
tgagagaatt cctgagcccg ggaagtggag gctgcagtga gccaaagactg tgtcactgca 420
caccagcctg ggtgacagag acctgtctca aaaagaaaat gtagcacctc ctctctctct 480
ctctctctgt ctctctcact gtctcgttct cttgctcttg ctctctctcc agccatgtaa 540
gatgtgcttg cttccccctt gccttttagc atgattcata gtttcctgag gcctctccag 600
aatggaagc cactacactt nctgtacagc ctgtagaacc atgagccaat aaacctcttt 660
tctttataaa ttaccattt tcaggtattt ctttatggca 700

```

<210> 1023

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1023

```

gtctcgttct cttgctcttg ctctctctcc agccatgtaa gatgtgcttg cttccccctt 60
gccttttagc atgattcata gtttcctgag gcctctccag aaatggaagc cactacactt 120
nctgtacagc ctgtagaacc atgagccaat aaacctcttt tctttataaa ttaccattt 180
tcaggtattt ctttatggca atgcaagaac agaccaatgc accatgggtat cctgcaaaaat 240
cctgaagtta attaagaatt atttaagagg cgcgggtggc cagcctgta atcccagc 300
tttgggaggg tgaggtgggn ggatcaggag gtcaggagat tgagaccatc ctggctaacg 360
cggtgaaacc ccgtctctac tgaaaataca aaaaattagc cgggcgtagt ggcgggcgcc 420
tgtagtccca gctgcttgagg aggctgaggc aggagaatgg cgtgaacccg ggaggtggag 480
cttgcaagtga gccgagattg cgccactgca ctccagcctg ggcgacagag cgagactccg 540
tctaaaaaaa agaacattat ttaagatcgt cacttaagaa gagtagattt tgacaatttt 600
attgatcagt ttacttccat taaagtcatt ggtataaaat atttaaactt aatatgagtt 660

```

ttaatatatacc aacttttcaat attgtcaacc aattttaatgt

700

<210> 1024

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1024

```
cgccactgca ctccagcctg ggcgacagag cgagactccg tctaaaaaaaa agaacattat 60
ttaagatcgt cacttaagaa gagtagattt tgacaatttt attgatcagt ttacttccat 120
taaagtcatt ggtataaaat attttaaactt aatatgagtt ttaatatatac aacttttcaat 180
attgtcaacc aattttaatgt gtaaaaaatta acaaaaacac gaaaacgtac gtaagaagca 240
tacgtttttc attttgcctc aggccttcaat atagtttggc acagcactgc tcttaagttt 300
ccaaacttgg cattttgnct ccaatattag atttgccaga ttcagcaaat gaaaatacaa 360
gtaacaccca gtttaacttt agataaataa cacataattt ttgcatagga tatatgcata 420
ctaaaaagtt tggtgcttat ctgaaattta actgggcatt ttgtataata tctggtaatt 480
ctaaaaataa ttatcttaca tggttgaaaa agctgcctgc ttcttagtac aatgtaactg 540
ttgcaccaac accgtcttgc ctgtttgatt gctggttatg tggatgactg aagcgcanac 600
anggggaagtc atatggnttn tgtgtcacan tgtccagcnt gtaggtatgt ccagtcctta 660
ccaggtntag aagaacacag cagcctcact ccatccgagg 700
```

<210> 1025

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1025

```
tggttgaaaa agctgcctgc ttcttagtac aatgtaactg ttgcaccaac accgtcttgc 60
ctgtttgatt gctggttatg tggatgactg aagcgcanac anggggaagtc atatggnttn 120
tgtgtcacan tgtccagcnt gtaggtatgt ccagtcctta ccaggtntag aagaacacag 180
cagcctcact ccatccgagg gcagaggagc gagcatatc cccantgcca tgaccctctc 240
cccagctccn tctgnttcag tcacactgac ggccccagta cattcgtgnt tggttggtcct 300
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ggaattcctg gctcaagca atcttcccaa gaggttctc ccttctctcc tccctccctc 480
cctcccttcc ttccctttct ttogacagtc ttgctttggt gcccaggctg gagtgcaggg 540
gcgcagtctc ggctcactgc agccactcc aagaggcctt catgactact acgaaggatt 600
tgcgttctca ttctcttctc ccttagcctg ttttctttct tttttctttt tctttttctt 660
tttttttctt tttgagatgg agtcttgctt tgtagcccag 700
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<210> 1026

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1026

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ttogacagtc ttgctttggt gcccaggctg gagtgcaggg gcgcagtctc ggctcactgc 60
agccactcc aagaggcctt catgactact acgaaggatt tgcgttctca ttctcttctc 120
ccttagcctg ttttctttct tttttctttt tctttttctt tttttttctt tttgagatgg 180
```

```

agtcttgctt tgtagcccag gctggagtg aatgggtgcga tctctgctca ctgcaacctt 240
cgccccctgg gttcaagcga ttctcctgcc ttagcctccc gagtagcttg gattacaggt 300
atgcaccacc acgcccgaact aatttttgta ttttttagtag agacagcggt ccaccatgtt 360
ggccaggctg ctttccgata cctgacctca agttatcctc ccgctctgct ctcccaaagt 420
gctgggatta caggcgtgag ctaccacgcc cagccctggt ttatttttct ttagagcact 480
tatcactgag gtaaaagggt ggacttgact ccagacgcag gcgtcggaca ccggaccaga 540
ttgaggactg gctaaaacag ggccagggcc aaagtagctt tcaatcagcc caccaggggtg 600
ctacgtcggg ttgcagttgc tatgacaaca ccctggcggt agggccctt tccatggtaa 660
tgacccaatg accccaaagt tactactcct tctctggaag 700

```

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<210> 1027
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1027
ggacttgact ccagacgcag gcgtcggaca ccggaccaga ttgaggactg gctaaaacag 60
ggccagggcc aaagtagctt tcaatcagcc caccaggggt ctacgtcggg ttgcagttgc 120
tatgacaaca ccctggcggt agggccctt tccatggtaa tgacccaatg accccaaagt 180
tactactcct tctctggaag tgtctgcata aacctcccct taatctacat gtaattaaaa 240
gtagtaataa acatgactgc aaaactgccc tgagctgcta cccactgtca atggggtagc 300
cctgctctgc ctcttcaaga aagctgtttt cttctacctc tggcttgccg ttgaattcct 360
tcctgggcaa agccaagaac tctcgtgggc taagctccac tttggggctc acctgccccca 420
catcactacc acccgtaag agatttaatt tgggtatcag ttcgtggtct gtctccccc 480
tggtatagaa ggctccttgaa ggaaagaact ttgcttttcc acttctctat cccagtgcc 540
cagaatgggc ctttggaag catcgagcag cctctcttgc tcagtgggca ctgaaatggc 600
actcggagct cagtaccag ataaaggaca cccccagat aaaggacacc accccttccc 660
ccgcgcaggc ctcgggaaag ggcgaggccg tgcaggcca 700

```

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<210> 1028
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1028
ggaaagaact ttgcttttcc acttctctat cccagtgcc cagaatgggc ctttggaag 60
catcgagcag cctctcttgc tcagtgggca ctgaaatggc actcggagct cagtaccag 120
ataaaggaca cccccagat aaaggacacc accccttccc ccgcgcaggc ctcgggaaag 180
ggcgaggccg tgcgaggcca caggaagggg cgtggcctct gaggacctgg gggcggggtc 240
tggcaggggt agaggtttct ggaaaggcct ttgacctgtg ggcgtgttcc tagaggtcag 300
gtggtgagaa tggcgggggt agcggacagc agtggggcta caggctgtgt ctgtggctgc 360
cctggcttag ggctctggct ggccccctct ttccgacctg gtctggcaga gcagccccgc 420
aggaccagct cgcaaggctc ctggggccag tggggtctct tcctgtgagg cggccccctc 480
gcaaggacag agtcagagag aggtggtga gtcaaggatg tgctctgagc gggggctctg 540
gtgctcaaaa tgatgtcttg gacgtaatat ctaaggctga cgctactttg aagaggttta 600
acttttgtga agattcttta ttctaaactc gggggaaact tttttttttt gatctgcagt 660
caaatgctct accactgagc tataccctt ctgccaactt 700

```

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<210> 1029
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1029
aggctggtga gtcaaggatg tgctctgagc gggggctctg gtgcgtcaaa tgatgtcttg 60
gacgtaatat ctaaggctga cgctactttg aagaggttta acttttgtga agattcttta 120
ttctaaactc gggggaaact tttttttttt gatctgcagt caaatgctct accactgagc 180
tataccctt ctgccaactt tttttttttg taaagcattt ggggggttg agagataag 240
tggtaggaaa ggccatgggt atttggcaag ctcaaagttt tttgttttta aggcactttt 300

```



```

cagtgtcttt ctgaaagtgc gtttataaca tggaggatca gccccctccc cacaccccag 360
cttggctctc ccttctctta ctcttctctg aaaagtccat ctctttctct tgaaatttgc 420
agccaacgga gcctcactaa agtaatgacc caaactgctt ttgtacccag tgggctcaca 480
gctgtcatct tgcctgcttc tttgatttca agaagcttaa ggcaagctgc ttatgctaga 540
tttactgtcc tcaccttcca ttcttaaatt tttgacgcag tgagtctccc ccaactaatt 600
ctctggaatt gtctggtaaa gtgttctggg tcctcctagt ggccaaaccc agtagacact 660
tcggacagtt tttttttttt cctctagcga agcacttctg 700

```

<210> 1030

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1030

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tttgatttca agaagcttaa ggcaagctgc ttatgctaga tttactgtcc tcaccttcca 60
ttcttaaatt tttgacgcag tgagtctccc ccaactaatt ctctggaatt gtctggtaaa 120
gtgttctggg tcctcctagt ggccaaaccc agtagacact tcggacagtt tttttttttt 180
cctctagcga agcacttctg gattcaagtt ctcttttatt tccggcctcc ctggctcctt 240
ttcatcagcc taggcttctc atatatatgt tccttagtct agtttgtttc cttttcacgg 300
tagtactgta tgctatagga ggaaggatct ttacttccac tgctttaaca tgtatatgtt 360
tatgatttat tgaattgtct ttttgtactc aaatctttct cttgagctct gttttagacc 420
cttatatcca ncnttctaga ggacataccc acctggacca acatctagaa taggtgtcag 480
aaattattca acaaatgata acaaataggg cctgatgtag gaaaaatata attacaatga 540
ctgttaacct tttggggtga cagaccctct tgagacccat atgaaatttc agggctctta 600
tccctttaa aaagtgcacac aaaattttgc ctgtttcaaa gcttcctaga ctttctgtag 660
ttcaagaatt tgaggctttg gtttagagctt cctgatatga 700

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<210> 1031

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1031

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acaaataggg cctgatgtag gaaaaatata attacaatga ctgttaacct tttggggtga 60
cagaccctct tgagacccat atgaaatttc agggctctta tccctttaa aaagtgcacac 120
aaaattttgc ctgtttcaaa gcttcctaga ctttctgtag ttcaagaatt tgaggctttg 180
gttagagctt cctgatatga taatgataaa atgaaaaagt gtgttttcac agataagcat 240
cagatttnga aacttacaat gggaatgcat tgatttccag ccgtcatcaa acgttaaccc 300
tgattaatca catcaggctg atttatggaa acattgtctt tagcagtagc aacatagaat 360
gaaaaatctg gagccctaga gttgaaatat accccagcag actccctgtg gctaaaatga 420
gacataccaa aaccagaatc taacggccac agcaagatga gggcttgggtc atgtatccct 480
gtgttactaa ctaccataag gttttctttc ctgtaagcag aaaccagggtc ctgaaaaaca 540
tcacagaaac tacagctgga aatttcctgt tgaccctgat agactactac ttgacaccag 600
ccgaccgatc tgctggctgc ccaccatggt cctgccacaa ttctgatggg acagagaatt 660
ggccttactt tctttcctga taaatagcca tagacctcaa 700

```

<210> 1032

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1032

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gttttctttc ctgtaagcag aaaccaggtc ctgaaaaaca tcacagaaac tacagctgga 60
aatttcctgt tgaccctgat agactactac ttgacaccag ccgaccgatc tgctggctgc 120
ccaccatggg cctgccacaa ttctgatggg acagagaatt ggccttactt tctttcctga 180
taaataagcca tagacctcaa gccagccagt tttggccagc ttatagagac tgtacacaaa 240
ctgtctttgt gccctgtagt tcaccttttt gatgcaaaga gccaaattca ccttacttta 300
atgctaaaaac cccaccccaa agtgaacatg gaatgcatgt tacatatatg tttaccact 360
gcacacatgc ttgacttccc tcatgaatat tcacagatcc ctttaagcct gctaaatata 420
acccagctaa tttttatatt tttggtacag atagggtttc atcatgttgg tcaggctggg 480
cctgagctcc tgacctcaag tgatccaccc gcctcggcct cccaaagtgc tgggattaca 540
ggcgtgagcc accgcgcccc gcctcatgat gatttctaaa cacagattcc cctgatccat 600
gtgggcgtgt gtgtatggcg gcggcaattt taggagtcaa ctataacaag gtcccaagga 660
agtgagaggg gagccaagct ccaggggaca gaagagggaa 700

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<210> 1033

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1033

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tgatccaccc gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc accgcgcccc 60
gcctcatgat gatttctaaa cacagattcc cctgatccat gtgggcgtgt gtgtatggcg 120
gcggcaattt taggagtcaa ctataacaag gtcccaagga agtgagaggg gagccaagct 180
ccaggggaca gaagagggaa gggaagggca atgggtgagtt tcttttttag ggcccatggg 240
gtatgcagga aacacttctt ccccattttg tactttgggtg tgtaatgaaa tagccaagca 300
acacttttct ctttttctga acttgctgag gaaaaaggaa aaaagggatc caaatctatc 360
tgtcttggag caaagatgac agaattgcag gcagtgcacat gatcaaatgt gctgaggaca 420
ggagcaaaacc acgcacaccc tggagtatcc ctgtaaggca taaataccag cttcctattc 480
ccttttggag tatgtccttt tgggttttct gggaggttgc attccccaat ttgtagattg 540
tttctccctc tgaaaatagt tttttttccc ttttcttctt ctgtgcatct catgggtcttt 600
tgttaacatt tcaaagagag tttctgatta actgtgggtt gcatgtttca cagtccaaat 660
agccttagcc tggtcagaga ccagggcctg cttcagataa 700

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<210> 1034

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1034

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tgggttttct gggaggttgc attccccaat ttgtagattg tttctccctc tgaaaatagt 60
tttttttccc ttttcttctt ctgtgcatct catgggtcttt tgttaacatt tcaaagagag 120
tttctgatta actgtgggtt gcatgtttca cagtccaaat agccttagcc tggtcagaga 180
ccagggcctg cttcagataa tttacgaagt tggttgctatt aagagtgtaa cctggctggg 240
tgcagttagc cacgcctgta atcctagtac tttgggaggc cgaggtgggt ggatcacttg 300
aggccaggag tttagacca acctgaccaa catggtgaaa tcccgtctct actaaaaata 360
caaaaaaatt agccaggcgt ggtggcacac ttctgtgatt ccagtgactt gagaggctga 420
ggcaggagaa ttgcttgaac ctaggagtng gaggttgag tgagccaagg ttgcgctact 480
gcactccagc ctgggcgaca gagtgcagct ctcttggggg aaaaaaaaga gtgtaatctg 540
ctccctcca gctggacggg aatacagata aggttttgag gcctggtgcc ttgtaggagc 600
cctgagtgat caggcagtcg tagaagtgca tgaggtgccg ggggttttct tccagcagaa 660
cttgcccttct ttatttggtg ggccagtgac ttctcagttc 700

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<210> 1035
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1035
 gagtgagact ctcttggggg aaaaaaaga gtgtaatctg ctcccccca gctggacggg 60
 aatacagata aggttttgag gcctgggtgcc ttgtaggagc cctgagtgat caggcagtcg 120
 tagaagtgca tgaggtgcca ggggtttcct tccagcagaa cttgccttct ttatttggtg 180
 ggccagtgac ttctcagttc cagagttatt gccttgatgg tccatgagtg ctgttttgag 240
 attgaccccc actctctctt gaatgaaata tatttcattc cttttcttct tgtattgata 300
 tgtaaatatt tatttttttaa taaagggtgag atctaaggag acattatcca ctttgtttaa 360
 acccttctct tggctgccat gatccaacta tcttctgggt tttcttctat ctctgcctac 420
 aacttctcaa taccgtagtc tcctgtggcc ctcctttccc aatcctcagt tatggctcag 480
 agtttcttta tagccatttt tttttctctc gaaggctcat gacttccaaa tacttgatat 540
 tccaaatact tgatatcagt atattgatat tgataactct tgagtcctta attctagctt 600
 ttattacttt ccaacttcca gctccagctc tacttagatg gcccgaagt tcttccattt 660
 taatagatcc ctaaccaggt tcattatact tcccttaaat 700

<210> 1036
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1036
 ttttttctct gaaggctcat gacttccaaa tacttgatat tccaaatact tgatatcagt 60
 atattgatat tgataactct tgagtcctta attctagctt ttattacttt ccaacttcca 120
 gctccagctc tacttagatg gcccgaagt tcttccattt taatagatcc ctaaccaggt 180
 tcattatact tcccttaaat gggttcctatt tctgttttac ttatctttgc aaatggcaaa 240
 aatgactgat cattctccta gcctcagcta ggaggcgatt ctctcttctt tcttccactg 300
 tcttgataac tattcatgtg aacttccttt ttcactttgc ttggtatttt tccccactg 360
 ttccaggaaa ttggttaact gtttctattt tgctcttaat ctttagagca accttagagt 420
 ttaggtatat agttcccatt ttactcatga gaaaacaggc ttacttttaa aattattaat 480
 tacacaaaga aaatgtacat gcatgttacc tctaagcaaa tttaggcaaa acagaaatag 540
 aataaaatat tacagtgcc cctccctccc attactctcc tatgtcttta gcagtggttc 600
 tcagctgggg agattttgtc ccctagggca gtggtcccca gacattttgg caccagggac 660
 agtttcatgg aagacaattt ttccatggac gggggttggt 700

<210> 1037
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1037
 gcatgttacc tctaagcaaa tttaggcaaa acagaaatag aataaaatat tacagtgcc 60
 cctccctccc attactctcc tatgtcttta gcagtggttc tcagctgggg agattttgtc 120
 ccctagggca gtggtcccca gacatttttg caccagggac agtttcatgg aagacaattt 180
 ttccatggac gggggttggt ggggatgct ttcagaatga aactgttcca ccttagatca 240
 tcaggcatta cactctcata aggagcatgc aacctacatc cctcgcatgt gcatgcatag 300
 ttcacagtgg agtttgcgct gctatgagaa gttaatgttg cagctgatct gacaggaggc 360
 agagttcagg cagtaatgct cactcgctct ctgctcacct gctgtgcagc ccggttgcta 420
 acaggccact gaccgttact gatttgagc ctgggcattg gggacctctt ccctaggaga 480
 tatttgacaa ggtctggaga caattttgat tgcttgact taggggatac tactggaata 540
 aaactaccta ttgggcacta aaatatatat atataaatat atataatata taaaaatata 600
 tataaatata tatgtaatat ataaaaatat ataaaaatat atataatata taaatatata 660
 taaatatata taatatataa aaatatatat aaatatatat 700

<210> 1038
 <211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1038
 caattttgat tgccttgact taggggatac tactggaata aaactaccta ttgggcacta 60
 aaatatatat atataaatat atataaatata taaaaaatata tataaatata tatgtaatat 120
 ataaaaatat ataaaaatat atataaatata taaatatata taaatatata taatatataa 180
 aaatatatat aaatatatat aatatataaaa aatatatata aatatataaaa atatataaaa 240
 atatataaaa atatataata atatataata tataaaaaata tatataaaaaa tatatataat 300
 atatataaat atatataata tataaaaaata tataaatata taatatataa atatatacaa 360
 tatataaata tacaatatat aaatatataa atatataata tataatatat attatatata 420
 atatatatat tatatattat atatattata tatttatatat aatatataat atatattata 480
 tataatatat aattttatatt tttaaatata tatttttaaat atgtttaata tatattatat 540
 atttttaata tatataatat atattaatat atatttttaa tatataatat atattattta 600
 atatataata tatattttatt atattanatt atattaaata tatattaatt atattaatat 660
 atatttaata tattaatatata tatttaatat atattaatat 700

<210> 1039
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1039
 tttaaatata tatttttaaat atgtttaata tatattatat atttttaata tatataatat 60
 atattaatat atatttttaa tatataatat atattattta atatataata tatattttatt 120
 atattanatt atattaaata tatattaatt atattaatat atatttaata tattaatat 180
 tatttaatat atattaatat atatttttaa tatatttaatt ataattaata ttaatatat 240
 taaatataaaa aatatattta aatatatatt ataatatata tataaacaac accatcacc 300
 acagttccca ttacctgttt atagttctgt ttccttcctt tgttcttaac accttctaag 360
 gtatttatatc attaccttat tatgtttatt gttatggttt ggagatatatt tcaaattttt 420
 actctgtatg atatgtattt ggcacagtat tcaacaaaat actgtatttg gaatccaagt 480
 gtttatttatg gcttttttaa aaaaattaat acataganta aaaataaata cataacgcta 540
 gccaaataaaa tatggatttt gcaactgtaat tgtaaaaaaa tgtgttttgc actggtaatc 600
 caaaggaaac aaaataaaaa taaaaaaaat aattctccta tcccaaattg cagtagtgcc 660
 caggttgaaa aactgctctg gaggtaatct gttatatatc 700

<210> 1040
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1040
 aaaaattaat acataganta aaaataaata cataacgcta gccaaataaaa tatggatttt 60
 gcaactgtaat tgtaaaaaaa tgtgttttgc actggtaatc caaaggaaac aaaataaaaa 120

```

taaaaaaaat aattctccta tcccaaagt cagtagtgcc caggttgaaa aactgctctg 180
gaggtaatct gttatatatc attttccata actacactat ccaatactgt aaccactagc 240
cacgtgaggc tatttacact gaaattaatt aaaattaaat aaaaattctg ttcctcagtg 300
ctattaagta catttttaag tgttcaatgg ccacacatgg ctacagaatt aaacagcata 360
gattatagaa catttcaatg attgcagtaa gatttggtgg acagtgcctt aggtatata 420
cacgcaaata gatgttctgt ttacataaaa tagaatcata catactgttc tatagttttg 480
ttaatatgtc ttgaagattt ttccatctaa gtatatataa ctaaaatatg tactaagtac 540
atataactaa atattttaagt ttaatggtct gtgatatagt tcagttttat taaattcata 600
aatttaattt attacagcaa tgtagttaa ttttgccctt ttttaagttt atgtgtatgg 660
actcatataa tacatattat ttttatccag tttattttac 700

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<210> 1041

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1041

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ttccatctaa gtatatataa ctaaaatatg tactaagtac atataactaa atattttaagt 60
ttaatggtct gtgatatagt tcagttttat taaattcata aatttaattt attacagcaa 120
tgtagttaa ttttgccctt ttttaagttt atgtgtatgg actcatataa tacatattat 180
ttttatccag tttattttac tcaatgctat gtttttaaga tatatccatg ttatttctgt 240
atatctatag ttattccttt taagtgcctt atgggtattcc attggatgac cataccatag 300
gttggtttat catttgactt ttgtgggcat ttgagtttct tccagtttgg ggatataatg 360
aataattctg gcatgaatat tctgtactta tttcctgaaa gtatatattt atgcaggtta 420
tacatgggaa tgggaattatt ggtccactga aatttactag attatgccac tttcttaaaa 480
tagttgcatt cttcttctta ttattatttt tgagatggag ccttgctctg tcgcctaggc 540
tggagtgcag tgggtgtgat tcagctcact gcaactttca tctcctgggt tcaagcgatt 600
ctcctgcctc agcctcctga gtacatggga ttacaggtat gtgctatcat gccagctaa 660
ttttgtatc tttggtagag atggggtttc accatggttc 700

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<210> 1042

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1042

```

ttattatttt tgagatggag ccttgctctg tcgcctaggc tggagtgcag tgggtgtgatc 60
tcagctcact gcaactttca tctcctgggt tcaagcgatt ctcctgcctc agcctcctga 120
gtacatggga ttacaggtat gtgctatcat gccagctaa tttttgtatc tttggtagag 180
atggggtttc accatgttcc aggtagtct tgaactcctg acctcaagt atctgccgc 240
ctcggcctcc caaagtgttg ggattacaga cgagagccac gttgcctggc cgcatttttt 300
tcttaatagc agtatgtgag agttccctc taaactgcat cctaagcagt atctttgtat 360
ttgtcagact tttaaagtcc aaacttctct gtggcatgtg gttgtatccc atagttttat 420
tttgcacttc tttgattatg aatgatacag aacactttca tatatttatc agtcttttga 480
atattttctt ttatgagttc tttttgagtc tctagaccaa ttatctattg agttgtttta 540
ttaatttgta gaaagacttt gtatattctg gatacaagcc ttttattggg tgtatatgtt 600
gtgtagatat tctccacctt tagtggctgc ttgccttttc tgtctctctt aatggtgatt 660
tttgatttgt tttgagaaat atcaaccttt cttcttaaga 700

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<210> 1043

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

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<400> 1043
tttttgagtc tctagacccat ttatctattg agttgtttta ttaatttgta gaaagacttt 60
gtatatctcg gatacaagcc ttttattggt tgtatatggt gtgtagatat tctccacctt 120
tagtggctgc ttgccttttc tgtctctctt aatgggtgatt tttgatttgt tttgagaaat 180
atcaacccttt cttcttaaga ttattcaata acagcaaagt aacaatgaga aactactgtc 240
agtttaagtg ggttttagctc ctcagttcca aggtatataa tcacttaaat ataacctgga 300
aaaaaaaaaca aaaatatttc tctaaatcat ggtctttgta aaaaaatgaa ttaaatcttc 360
tctgttctct catattgtat tccaattntg gatgtagcca ccagtgagat agcaaagtgc 420
taaatTTGga tacatcactt aaatatttag aacgtcattg gtttcttcaa acagtggaaa 480
attcttgcca tgcctacctt atagactttg tataatgcta ttatcaatgc tagctgatac 540
taacttagaa gatgattata cttttttaa cagctcttcc tctcctgggt ctacaataag 600
acactgactc caccacatac tggatgacct agagcaagtt aacttaatga cactgtgcat 660
taatttactt tgctataaca atgggataat atatcaattc 700

```

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<210> 1044
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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```

<400> 1044
atagactttg tataatgcta ttatcaatgc tagctgatac taacttagaa gatgattata 60
cttttttaa cagctcttcc tctcctgggt ctacaataag acactgactc caccacatac 120
tggatgacct agagcaagtt aacttaatga cactgtgcat taatttactt tgctataaca 180
atgggataat atatcaattc atgttattat tgcagctatt gttcagatag aacaattgag 240
agaatttata aacaaaatga ctaagcagat gagttagttt tcctaattgg ccagcttaag 300
ggagagagtt ataagggcta tagagttcta gatgaaatta taacatcacc tcaaagagag 360
agcaacttac ctctggctag gctttcttcc tgaagtgttt cttgggagag ggtgagcaga 420
gtgggtcaaga gcctatctat ttatttcagt gggctaagca tagatgtcct tgagangaag 480
acttccttgg tccttttaggt aatgtaagtc cttcaacttc attctttttc aaaattgttc 540
tgactattct ggggtcccttt tatttccatg tgaatttttag gatcagcttg tcaatttctn 600
caacaagccc agctaagatt ttgataggtt ttaccttggt cttgctctta ggagccaagc 660
agcccatctt tcaccattaa gtatgatgtt agttgtgaga 700

```

```

<210> 1045
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 1045
aatgtaagtc cttcaacttc attctttttc aaaattgttc tgactattct ggggtcccttt 60
tatttccatg tgaatttttag gatcagcttg tcaatttctn caacaagccc agctaagatt 120
ttgatagggt ttaccttggt cttgctctta ggtgccaagc agcccatctt tcaccattaa 180
gtatgatgtt agttgtgaga gtttcgtatc tgtctttatc acattaagaa tgttctcttc 240
tattcctagt ctgtggagag gttttttgtt tgtttgtttg tttgtttgtt tgttttttta 300
gacagagtct cactctgtca tccaggctgg agtgcagtac aatctctgct ctctgctctc 360
tgcaacctcc acctcccggg ctcaagtgat tctcctgcct cagtctcctg agtagctggg 420
attacagggt tgcgccacca catccagcta atttttgtat ttttagtaga gacgggggtt 480
taccgtgctg gccaggctgg tttcaaatc ctgacctcag gtgatccacc cgcgttgccc 540
tcccaaagtg ctgagggtac aggtctgaac catcatgccc agcctagatt ttttttttaa 600

```

```

aatcataaat aggtgttgaa ttttgtcaaa tgcctttcct gcgtctgtgg aaataatcat 660
gtgtccttta ttctatatag tctcttacat taattgcatg 700

```

<210> 1046

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1046

```

tttcaaattc ctgacctcag gtgatccacc cgcgttggcc tcccaaagtg ctgagggttac 60
aggtctgaac catcatgccc agcctagatt tttttttaa aatcataaat aggtgttgaa 120
ttttgtcaaa tgcctttcct gcgtctgtgg aaataatcat gtgtccttta ttctatatag 180
tctcttacat taattgcatg ttaaaccaac ctcatattct tgcagaaatc tcacttggtc 240
atggtgtata cattcttttt acatattcct ggatttagtt tgctaataat taaggattct 300
catgatgatg ttcatgaggg ttttgtagtt ttctttttgt atgatgtctt tagctttggg 360
attagggttaa taaacatctt agatttagtt gggatctgtt ctcttctcta ttttctgaag 420
actttgtgaa ggattagcat ttttttttgg ttaaatattt gataaaattc accagtgaag 480
ttatctgggc ctagaattct ctttatggga agattttaca tttctaattc agtttcttta 540
ctttttatag gcctattttag attgttctgt atatttttta gttcattttg gtaatttgta 600
cctttntagg aactttttcca cttcatatta gttgcctgct ttggtggcat aaagatgttt 660
acagcatttc cttgtaattt ctataggatn cagtagtcta 700

```

<210> 1047

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1047

```

ctttatggga agattttaca tttctaattc agtttcttta ctttttatag gcctattttag 60
attgttctgt atatttttta gttcattttg gtaatttgta cctttntagg aacttttcca 120
cttcatatta gttgcctgct ttggtggcat aaagatgttt acagcatttc cttgtaattt 180
ctataggatn cagtagtcta ttctttcttt cgtcccttta ttgggtaatt tttatcttct 240
ctattttttt cttggtcagt cttaaaggtt gtcaattttg ttgatctttt caaataatca 300
gccttttagg ttctttgggt ttctctattt ttccattttc tattttgttg atttctgctc 360
ttatccttat tatttcattt attttgcttg ctttgatcat ttttaacttg ccctcctttt 420
ttagtttctt aagggtgagag cctgggttat tgattagaga ctttttttta aatataggca 480
tttaaagcta tacattttct tctaagtacc acttgaaact gcatcccata aattttaata 540
tattgtagtt ttgtttttat ttagtccaat atatatttta gttttcatng tgaattcttc 600
tttgacctat gggttattta gaagaatggt gttcaatttc caaatatttg aagatattca 660
agatttcttt ctatttttta tgtttaattc catgtggttg 700

```

<210> 1048

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1048

```
tctaagtacc acttgaaact gcatcccata aattttaata tattgtagtt ttgtttttat 60
ttagttcaaa atatatttta gttttcatng tgaattcttc tttgacctat gggttattta 120
gaagaatggt gttcaatttc caaatatttg aagatattca agatttcttt ctatttttta 180
tgtttaattc catgtggttg gacagcatat tctgtatgag ttaaactctt aaaatttatc 240
aggacttggg ttgtgacctt acatatgggc tttcctggag gatgtctgtg tgagcttgaa 300
aggaatgtgt attctgctgt tttttgatgg agaattctat aggtgtcagg tgaaattggg 360
tgatagcatt gttcagatct tgtatatact tcctgatttt ctgtgtgggt gttttaccag 420
ttcataagag tgagggtattc aaaatatcca gctattattg aattacctat ttcttctttc 480
agcactgtca attgttggtt tatgtctttc ggggctttca ttaagtgata tacatctata 540
attattacat ctttttgata tattgactct tgttacatta taaaatgttt ctttttgtct 600
ctagcagtat ttcttattct aaagtttatt ttgtcagata ttaatacagc caccctatct 660
ctcttgtagt tgttgtttgc atggtacatc ttttacctct 700
```

<210> 1049

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1049

```
tatgtctttc ggggctttca ttaagtgata tacatctata attattacat ctttttgata 60
tattgactct tgttacatta taaaatgttt ctttttgtct ctagcagtat ttcttattct 120
aaagtttatt ttgtcagata ttaatacagc caccctatct ctcttgtagt tgttgtttgc 180
atggtacatc ttttacctct tttttttttt ttaagacagg gtctcaccct gttgccaggc 240
tggagtgagc tggcgctcac tcagctcacc caaacctctg cctcccgggt tcaagtgggt 300
ctcctgcctc agcctcccaa gtagctgaga ttacaggcac ataccaccac gccagataa 360
tttttgtatt tttagtagat atgaggtctc accatgttgg ccaggctggg ctcaaactcc 420
tggcctcaag tgatccacc accttggcct cccaaagtgc tgggattaca ggtgtgaacc 480
actgcgcctg gcttaccttt tttttttttt ttaaccttaa aaaccttttt agattatttg 540
aatctaaagt gtgtctttgt atgtagcatg tatttgatc ttgttttatt tattcaatct 600
gaaaagctct gagtttgcta agaaaaatca aggtggttca gtggtagaga atctcagagc 660
agaagggttt cagatagatt gtttagggat gatctctttg 700
```

<210> 1050

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1050

```
tttttttttt ttaaccttaa aaaccttttt agattatttg aatctaaagt gtgtctttgt 60
atgtagcatg tatttggatc ttgttttatt tattcaatct gaaaagctct gagtttgcta 120
agaaaaatca aggtggttca gtggtagaga atctcagagc agaagggttt cagatagatt 180
gttttagggat gatctctttg tagtggtgac ataaagctga tactaaagac tagaaggaat 240
caaagtgtga agaagggaag ggaaaggaaa gagcattata aatcaagaga acagaccctg 300
agtgatagga gagcttgaca tttttgaaga actgaaagag aagctgggtc atagttagca 360
aagggaatgt ggtggcagat gaagggtagt atgctaaaca agggtgacac tgcggaatct 420
tgaagtctat ggtgaaaagt ttgtatttta ttgaaaaagt agtgtgaagt cattgaaatt 480
tttgaagagt agaagaaact tgatccaatt tgtgtgtaca aaatctgaat ctaaaccttg 540
gtaagcaaga aatagcatat tgtaggctgg gcatgggtgg tcacgcctgt aatcccagct 600
ctttgggatg ccgaggcggg tggatcgctc gaggtcggga tttcgagacc agcctggcca 660
gcatggtgaa acccctctc tactaaaaat acgaaaaacta 700
```

<210> 1051

<211> 700

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1051
 tgatccaatt tgtgtgtaca aaatctgaat ctaaacccttg gtaagcaaga aatagcatat 60
 tgtaggctgg gcatgggtggc tcacgcctgt aatcccagct ctttgggatg ccgaggcggg 120
 tggatcgctt gaggtcggga tttcgagacc agcctggcca gcatggtgaa acccgcgtctc 180
 tactaaaaat acgaaaacta gctgggggatg gtggcagggtg cctgtaatcc cagctactct 240
 ggaagctgaa gcaggagaat cacctgaacc caggagggtg aggtttcagt gagccgagat 300
 tgcgccattg cactccagcc tgggtaacag agtaagactc catctcaaaa aaaaaaaaaa 360
 aaaaaaaaaa aaaaaaaaaa gaangcanga aatagcgtat tgtaattttt ttcctaattc 420
 aaattaaatt tgacttanat actcttcctt gatgagctgg tgagaaatgt attgtcagtc 480
 actattaggg ctgtgtcacc tcagaagttc ccaccaaact aacaagggtt ctagaaaata 540
 gaaggaaaac ttctaacttt gagtttgtca tgggtcattgg gctagtatgt ggatgtttgt 600
 ccataatccac agtttcctta aaggatggta gttttctgct tctatgccac tttgggggttc 660
 atgaaactgg agatgacaag tcctgggtact ctttttggtg 700

<210> 1052
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1052
 tcagaagttc ccaccaaact aacaagggtt ctagaaaata gaaggaaaac ttctaacttt 60
 gagtttgtca tgggtcattgg gctagtatgt ggatgtttgt ccataatccac agtttcctta 120
 aaggatggta gttttctgct tctatgccac tttgggggttc atgaaactgg agatgacaag 180
 tcctgggtact ctttttggtg taccatggaa ccatcatttt ttaggtctaa ttctttctta 240
 gagatgctgc ctgtgagttg ggtagtcagt tctctttatt atactttttc ttttttcctc 300
 cctcttctga cttttccttt tgttttcaga aattactota gaatgtatac tcttctcttg 360
 ttaccattaa aaacttaaca ggattttact ttgattttta caaaagacac gaagtgaat 420
 tacctggatt agcttcttct atgaagaaaa ataaagcagc ctaacagggg agagattgat 480
 agagtctact atcttaaata gagagactag gaaactctct cttagtagag tcatttgagt 540
 agaatcctga aggcagtaaa agaaaaataac atttcacgca aagggaataa caaatacaag 600
 gtgtctggga atggagagta gttggtgttt ttgaggaaaa gtaaagggtca ggctactgtg 660
 gctggaacga atgaacaagg ttaaggagct ttagtagatg 700

<210> 1053
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1053
 gagagactag gaaactctct cttagtagag tcatttgagt agaatcctga aggcagtaaa 60
 agaaaaataac atttcacgca aagggaataa caaatacaag gtgtctggga atggagagta 120
 gttggtgttt ttgaggaaaa gtaaagggtc ggctactgtg gctggaacga atgaacaagg 180
 ttaaggagct ttagtagatg aagtagccag atatcagagc atgcagaacc ttgaaagtcg 240
 ggggaaggac tttgaggttt tactatgagt gagatcatag aagattattt ttagagtag 300
 actacagagg ggacaagggc atgcaagaaa aaaccagact ggacacctag atattgaact 360
 tactaaataa agacattaag ccaactgtta taaatatttt caaagaacta aagacaacta 420
 tgtctaaaga attaaagttt gagaatgatg tcttacttaa tagagaatat caattaaaag 480
 atataagtta ttttacaac cagatggata ttctggttga caaatacaat aactgaaatg 540
 taaaattcac taaagggact catcatcctt tttgaacttg caaaataaag aatcagtga 600
 cttaagatca ccagctctga gaaacagaaa gaaaaagaa tgcagaaaaa tgaacagagc 660
 catacagatt tgtgagaaac catcacatgt atcaatacat 700

<210> 1054
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1054

```

cagatggata ttctggttga caaatacaat aactgaaatg taaaattcac taaagggact 60
catcatcctt tttgaacttg caaaataaaag aatcagtgaa cttaagatca cccagtctga 120
gaaacagaaa gaaaaaagaa tgcagaaaaa tgaacagagc catacagatt tgtgagaaac 180
catcacatgt atcaatacat gcataaggag aatcccaaaa gaaaagaaaa agaaagggca 240
gaaagaatat ttgaagatat gatggcaaga aactacaaat ttgataacaa acactaatct 300
gcacactaag aaactagtga actccaagta ggataaacct agagacacgt catagtcaaa 360
ctattgaaag ccaaagatca agaaagaatc ttggccaggc acagtggctc atgcctgtaa 420
taccagcact ttgggaagct gaggtggaca gattacttga gctcacaagt ttgagagcag 480
cctgggcaac atggagaaaac cctgtctcta caaaaaatac aaaaattagc caggcgtggt 540
gttgcattgcc tgtagtccca gctactcggg aggctgagat gggaggaaat agaggttggt 600
gtgagccaag attgtgccac tgcacttcag gctgggcaat agaaccagac ctctcaaaaa 660
gaaagagaga ggccggggcgc ggtgctcacg cctgtaatcc 700

```

<210> 1055

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1055

```

cctgtctcta caaaaaatac aaaaattagc caggcgtggt gttgcattgcc tgtagtccca 60
gctactcggg aggctgagat gggaggaaat agaggttggt gtgagccaag attgtgccac 120
tgcacttcag gctgggcaat agaaccagac ctctcaaaaa gaaagagaga ggccggggcgc 180
ggtgctcacg cctgtaatcc cagcactttg ggaggctgag gcggggcggat caccaggtca 240
ggagatcgag accatcctgg ctaacacggg gaaccccgct tctactaaaa atacaaaaaa 300
ttagccggcc gtggtagnng gcgcctgtag tcccagctac tccggagggt gaggcaggag 360
aatggcgtga acctgggagg cggagcttgc agtgagccga gatcgcgcca ctgcactcca 420
gcctgggcca gagagcgaga ctccgtctca aaaaaaaaaa aanaaaaaaga gagagagaga 480
gagagagaat attgaaaata gaaagagaag gcagcaaggc atgttcaata aaattaacag 540
ctttcttttc attagaaact gtggatacca cagaaggcag agggatgatg tattcaaagt 600
gctgaaagaa aaggactgtc aactaggagt tgtatatcca gcaaagctag tcttcaaaaa 660
ttaaggtgaa tttaaaacat tcccatgtaa acaaaaacag 700

```

<210> 1056

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1056

```

gaaagagaag gcagcaaggc atgttcaata aaattaacag ctttcttttc attagaaact 60
gtggatacca cagaaggcag agggatgatg tattcaaagt gctgaaagaa aaggactgtc 120
aactaggagt tgtatatcca gcaaagctag tcttcaaaaa ttaaggtgaa tttaaaacat 180
tcccatgtaa acaaaaacag aattcttcac tagcagacat gccctataag aaatatgaaa 240
gggggttctt taggttgaaa tgacaggaca ctaaataagta acttgaatcc acacagagaa 300
ataaagagta ctggtaaaga taactctata ggtaaagtga aaagtcagta taaatattat 360
ttttgtttgt aacctttttc ttctatctga ttcaaaagac aactacataa agcaataatt 420

```

```

ataattatat atttaataat gtgtaaggat attcttttaa tgccaataat aataaaaagga 480
gaggagaagg aatggagctg tacgggaaca gggtttttat atattattga aattacgtca 540
atattactct gagctagatt gctttaagtt aagacgttaa ttgcagtcct cagggcaaat 600
actaataaaa gaactaaaaa aagtggtaaa atagctaaca agtggattaa aatgntatac 660
tagaaaacta acacaaaaga aggcagtaat gaaaggatag 700

```

<210> 1057

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1057

```

tacgggaaca gggtttttat atattattga aattacgtca atattactct gagctagatt 60
gctttaagtt aagacgttaa ttgcagtcct cagggcaaat actaataaaa gaactaaaaa 120
aagtggtaaa atagctaaca agtggattaa aatgntatac tagaaaacta acacaaaaga 180
aggcagtaat gaaaggatag aggaacataa aggcattgtac agaaaacagc aaaatggcaa 240
atgtaaatct catcagtaat tccaagaaat gaaatgggca ctacagtcaa aaggcataga 300
ttaagagaat gaataaaaata acataatcca actatatgct atctatgaga caaatatata 360
ttcagagaaa caaatagggtt gaaagtgaag agatggaaga agatacagaa tacaacaatt 420
ctccaaaaaa gaactggaga ggctgtgcta gtattagaca aaatagactt tgagacaaaa 480
attgttacta gagaccaaga agaacatttt atattaaaaa ggtcagtcca tcaaaaaaac 540
ataacaatta taaacatatg cacctaagag cagagcctca aaataaatga ggcaaaaccc 600
agcagaatta aaggaaaata gacaattcaa caataatagt tggagatgtc aatacctcac 660
tttgaaaaat ggatacaaca tataggtaga tgatcactgg 700

```

<210> 1058

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1058

```

agaacatttt atattaaaaa ggtcagtcca tcaaaaaaac ataacaatta taaacatatg 60
cacctaagag cagagcctca aaataaatga ggcaaaaccc agcagaatta aaggaaaata 120
gacaattcaa caataatagt tggagatgtc aatacctcac tttgaaaaat ggatacaaca 180
tataggtaga tgatcactgg ggaactagaa gacttcagca acactataaa ccaactagtc 240
taatagacac ctntaaaaca ctctcccaaa cagtgtgaagg cacattcttc tcaaatcac 300
atttaaaatt cttttctccc tttctttctt tttttttttt tggacaggat attgttctgt 360
ggcttaggct ggagtgcagt ggcatgatca cagctcacta cagctgcaa gtcctgggct 420
caagcagtct tcctgctcca gcctcccaaa tatctgggac tatagggtgtg caccaccatg 480
cttcgctaatt atttttgttt tagtagagaa agggctctcac tatgttgccc agactggctt 540
tgaactcttg gcctcaagca gtcctccccc ctggcttccc agatagggaa ttataggcat 600
gagctactgc agccaacctc tagacctcat gtcagaccat aaaataagtc tcaataaaact 660
taaaagaatt caaattatat aaagtatggt ttaactacaa 700

```

<210> 1059

<211> 700

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1059
 tagtagagaa aggggtctcac tatgtttgcc agactgggtct tgaactcttg gcctcaagca 60
 gtctctccac ctggcttccc agatagggaa ttataggcat gagctactgc agccaacctc 120
 tagacctcat gtcagacctat aaaataagtc tcaataaact taaaagaatt caaattatat 180
 aaagtatgtt ttaactacaa cagtagaaat tcgaaaccaa taacaagaaa atttgggaaa 240
 ttcactaata tgtggaaatt tgtaacata ctctacata accagttagt caaataagga 300
 atcacaagag aaattagaaa gtattttgag atgagtgtaa atgaaaatac aatataccaa 360
 aacttagagg atgtagctaa agcagcgctt agaggaaaat ttatggatgt aaacacctgt 420
 atttaaaaag gagaaaaata ttaaattaaa acataatctt ttaccctagg aaatcagaaa 480
 agagctaact tgagccaagg caaacagaag gaaataaaga ctancacaga aataaattaa 540
 gtagagaata gaaacacagt aaaaaaatc agtaaaacca aaagtggatt taaaaaaaaa 600
 tcaacaaaat gtacaaacct ttggctaggt taaccaataa aaaaatacag aggactcaaa 660
 taactcaact attagaagaa aatattggac taaatcttcc 700

<210> 1060
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1060
 caaacagaag gaaataaaga ctancacaga aataaattaa gtagagaata gaaacacagt 60
 aaaaaaatc agtaaaacca aaagtggatt taaaaaaaaa tcaacaaaat gtacaaacct 120
 ttggctaggt taaccaataa aaaaatacag aggactcaaa taactcaact attagaagaa 180
 aatattggac taaatcttcc tgaccttacg taggtaatga tctctcatat attacatcaa 240
 aggcatacag aatcaaagaa aaatttgata tattggtttt aaatatatat tggacttcat 300
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 cctcccaagt agctgggtatt acaggcgctt gccaccacgc ctggctaatt tttgtatttt 660
 tagtagagat ggggtttcac tatgtttggc aggttgggtct 700

<210> 1061
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1061
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 tgaaaagatg ctacagcatca ctaatcatta gggaaatgca aatcaaaacc acagttagat 420
 accacttcct atacagtagg atggctaaaa taaaaaaga cagaaaatta ctagtgttgg 480
 tgaagatgtg gagagattag aaacttcatt cattgctggg ggggttgtaa aatgatgcag 540
 ccaccttgga agacagattg gcagctcctc atacagttta acatacagtt accatatgac 600

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ccaactat ttt cattcctggg tacataccca agataaatga aaatatatat ccacacaaaa 660
acttgtacat gaatgtacat agcagaatta ttcataatta 700
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<210> 1062

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1062

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tacataccca agataaatga aaatatatat ccacacaaaa acttgtacat gaatgtacat 180
agcagaatta ttcataatta accagagagt agaaacaacc caaatgcca tcaactgacc 240
aataaataaa caaatgtgg tatatccata ctatggaata ttattcagca aaataaaaag 300
gaatgaagtg ctgatgcag ctgtaatatg gatgaaactt agaaaaatta tactaagtga 360
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tagccaaatg catagaaata gatattagac tagtgggttg caagggatgg aaaaggggga 480
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attagagggtg atggctgtgt aatttaaaac tacgctttac tttacatgaa ttttatggta 600
tgtgaattat cagtaaaagt gttaagaaa gtaagtccac tcaattttac atttaagaca 660
aaagatcccc aattgtgggt gatggaagaa catcctcact 700
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<210> 1063

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1063

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gttaagaaaa gtaagtccac tcaattttac atttaagaca aaagatcccc aattgtgggtg 180
gatggaagaa catcctcact ctcatcaag gccagtacat taaccaaaga acatttgatg 240
aaggagtccg tcagttcttg aatttctga tgaagaaaca actgggtggc tagcaaagaa 300
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tgccaggctc tgctgtaaat acatggggca tcagcaagca aactagacaa gaatttccac 540
cctcatggaa ctaatgttct agttaaggga aaaagtccaa taaaatacac tgggtaagta 600
tgttttttgt atgttaaaat atattagggtg ctatgaataa aatagagtag tgtgagcaag 660
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<210> 1064

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1064

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agaaccctgc atgttcattt caagtgtt tagaatatct tttaaaaatt cccacatac 660
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<210> 1065
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1065
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 caagtgcctta tagaatatct tttaaaaatt cccacatata taggttataa aacaaacctc 180
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 accccacaac agtccccaga gtgtgatgtt ccccttcctg tgtccatgtg ttgtcattgt 660
 tcaattccca cctatgagtg agaatatgag gtgtttggtt 700

<210> 1066
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1066
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 tatagcagca tgatttatag tcctttgggt atataccag taatgggatg gctgggtcaa 480
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 acctgttgtt tctgacttt ttaatgatcg ccattctaac tgggtgtgaga tggatatctca 660
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<210> 1067
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1067
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 aggttgcgaa aattttctcc cattttgtag gttgcctgtt cactctgatg gtagtttctt 420
 ttgctgtgca gaagctcttt agtttaatca gatccattt gtcaattttg gcttttgttg 480
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 tgccataggt ttcttctagg gtttttatgg ttttaggtct aacgtttaag tctttaatcc 600
 atcttgaatt gatttttata taagggtgaa gcaagggatc cagtttccagc tttctacata 660
 tggctagcca gttttccag caccatttat taaataggga 700

<210> 1068
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1068
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 gtttttatgg ttttaggtct aacgtttaag tctttaatcc atcttgaatt gatttttata 120
 taagggtgtaa gcaagggatc cagtttcagc tttctacata tggctagcca gttttccag 180
 caccatttat taaatagggga atcctttccc cattgcttgt ttttctcagg tttgtcaaag 240
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 atgagggctc ttttttggtt ccatatgaac tttaaagtag ttttttccaa ttctgtgaag 480
 aaagtcattg gtagccttgat ggggatggca ttgaatctgt aaattacctt gggcagtatg 540
 gccattttca cgatattgat tcttctacc catgaggatg gaatgttttt ccatttgttt 600
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 taccttgtaa gttggattcc taggtatttt attctctttg 700

<210> 1069
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1069
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 gagcagtggg ttgtagttct ccttgaagag gtccttcaca taccttgtaa gttggattcc 180
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<210> 1070
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1070
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 gatcatggtg gataagcttt ttgatgtgct gctggattcg gtttgccagt attttattga 360
 agatttttgc atcaatgttc atcaaggata ttggtctaaa attctccttt ttgggtgtgt 420
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 cctctttttt tattgattgg aatagtttca gaaggaatgg taccagtccc tccttgtacc 540
 tctggtagaa tttggctgta aatccatctg gtcctggact cttcttgggt ggtaagctat 600
 tgattattgc cacaatttca gatcctgtta ttggtctatt cagagattca acttcttctt 660
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<210> 1071
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1071

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gatcctgtta ttggtctatt cagagattca acttcttcct ggtttagtct tgggagagtg 180
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gtgtcagttt tggatctttc ctgctttctc ttgtgggcat ttagtgctat aaatttcctt 600
ctacacactg ctttgaatgc atcccagaga ttctggtagt ttgtgtcttt gttctcgttg 660
gtttcaaaga acatctttat ttctgccttc atttcatcat 700

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<210> 1072

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1072

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ttgctcttgc ttttctagtt cttttaattg tgatgttagg gtgtcagttt tggatctttc 60
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aggacttgct ttatgaatct ggggtgctct gtattgggtg catatatatt taggtagatt 660
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<210> 1073

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1073

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gtttacaacc tagtgtaatt ctagacagaa ttaatagtgg tctggcattt agaatgagaa 540
agtgggtggc gtttctcagt tggaccagcc ttccagatat atattaatag ctgtacatta 600
tcgtttaatt cagaagaaag tagcctggat gttaaagggt tatgtgaaca taatatgaaa 660
aacagcatgt ggaatagaga catagagaat gaaaaagaaa 700

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<210> 1074

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1074

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ctagacagaa ttaatagtgg tctggcattt agaatgagaa agtgggtggc gtttctcagt 60

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tggaccagcc ttccagatat atattaatag ctgtacatta tcgtttaatt cagaagaaag 120
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cacatatgta gaacatgcag acagatatatc ttgggttctg tatgaagata aatcttaact 660
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<210> 1075

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1075

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gaatgaaatt gaagttattg aaggaagaaa ggatgaacta atgaattaaa gcaattgatt 60
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agatccactg gcttgaaatt cttgctgcca gcacagcagt ctgaagtga ccaggaatgc 660
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<210> 1076

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1076

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agcaagacag aacggttcac taccctggaa agggggctga agccaggag ccaagtggc 60
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agtaagggtc aacagacacc tcatacaggg gagctccgcc tggcctctgg cgggtgcccc 660
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<210> 1077

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1077

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agtggatctc ccagcacagc catagagctc tgctaaggga tagactgcat cctcaagtgg 60
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acccaatgca aagaaactaa gaaccttgaa aaaaagggtta gaggaattgc taactagaat 660
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<210> 1078

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1078

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gggggaaatt ggaaccaagt tggaaaacac tctcaggat attatccagg agaacttccc 480
caacctagca agacaggtca acattaaaat tcaggaaata cagagaacac cacaagata 540
ctcctcaaga atagcaaccc caagacacat aatcatcaga ttcaccaaag ttgaaatgaa 600
ggaaaaaatg ttaagtgcag ccagagagaa aggtcgggtt acccacaag ggaagcccat 660
cagactaaca gtggatctct gcagaaactc tacaagtcag 700

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<210> 1079

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1079

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acattaaaaa tcaggaaata cagagaacac cacaagata ctcctcaaga atagcaaccc 60
caagacacat aatcatcaga ttcaccaaag ttgaaatgaa ggaaaaaatg ttaagtgcag 120
ccagagagaa aggtcgggtt acccacaag ggaagcccat cagactaaca gtggatctct 180
gcagaaactc tacaagtcag aagagagtgg ggccaatatt catcattctt aaagaaaata 240
attttcaagc cagaatttta tatccagcca aactaagctt tataagtga ggagaaataa 300
aatcctttcc agacaagcaa atgctgagag attttgtcac caccaggcct gccttataag 360
agctcctgaa ggaagcacta aatatggaaa ggaaaaactg gtacaagcca ctgcaaaaac 420
ataccaaatt gtaaagacca tcaacactat gaagaaactg catcaactaa tgggcaaaat 480
aaccagctag catcataatg acaggatcaa attcacacat aacattatta accttaaatg 540
taaatgggct aaatgcccc attaaaagac acagactggc aaattggata aagagtcaag 600
acccatctgt gtgcaatatt caagagaccc atctcacgtg aaaagacata cataggctca 660
aaataaggag atggaagaat atttatcagg caaatggaaa 700

```

<210> 1080

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1080

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acaggatcaa attcacacat aacattatta accttaaatg taaatgggct aaatgcccc 60
attaaaagac acagactggc aaattggata aagagtcaag acccatctgt gtgcaatatt 120
caagagaccc atctcacgtg aaaagacata cataggctca aaataaggag atggaagaat 180
atztatcagg caaatggaaa gcaaaaagaa gcaggggttg cagtcctagt ctccaataaa 240
agagacttta agccaacaca gatcaaaaaa gacaaagagg ggcattacat aacggtaaag 300

```

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ggatcaatgc aacaagaaga gctaactatc ctaaattgttt atgcacccaa tacagggcac 360
ctagactcat aaagcaagtt cccagtgtacc tacaaagaga cttagacccc cacataataa 420
tagtggaag actttaacac cccactgtca atattagaca gattaatgag acagaaaatt 480
aacaagcata ttcaggactt gaactcagct ctggacaaaag tggacctaat agacatctat 540
ggaactctcc accccaaatc cacagaatat acattcttct cagcaccacg tcacacttat 600
tctaaaattg accacataat tggaagtaaa acactcctca gcaaattgcaa aagaacagaa 660
ataataacaa acagttttctc agaccacggt acaatcaaat 700

```

<210> 1081

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1081

```

gaactcagct ctggacaaaag tggacctaat agacatctat ggaactctcc accccaaatc 60
cacagaatat acattcttct cagcaccacg tcacacttat tctaaaattg accacataat 120
tggaagtaaa acactcctca gcaaattgcaa aagaacagaa ataataacaa acagttttctc 180
agaccacggt acaatcaaat tagaacttag gattaagaaa ctcacccaaa actgcacaac 240
tacatggaaa ctgaacaacc tgctactgaa tgactactag gtaaataatg aaattaagag 300
agaaataaat tctttgaaac caatgagaag aaagacacaa tgtgccagaa tctctgggac 360
acagctaaag tagtgtttag aggaaaatct atagcactaa atgcccacag gagaaagtgg 420
aaaagatcta aaattgacac cctaaccatca caatgaaaag aactagagaa gcaagagcaa 480
acaaattcaa agctagcag aagacaagaa ataactaaga tcagagcaga attgaaggag 540
atacaggcac aaaaaaccct ccagaaaatc aaaatcagtg aatccaggag ctgggttttt 600
gaaaagaata acaaaataga ctgctaacca gactgataaa gaagaaaaga gagaagaatt 660
gaatagacac aataaaaaat gataaagggg gtattccac 700

```

<210> 1082

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1082

```

aagacaagaa ataactaaga tcagagcaga attgaaggag atacaggcac aaaaaaccct 60
ccagaaaatc aaaatcagtg aatccaggag ctgggttttt gaaaagaata acaaaataga 120
ctgctaacca gactgataaa gaagaaaaga gagaagaatt gaatagacac aataaaaaat 180
gataaagggg gtattccac tgatcccaca gaaatacaaa ctaccttcag agaatactat 240
aaacacctct atgaaaataa actagaaaat ctagaagaaa tggataaatt cctggacaca 300
tacaccctcc caagactaaa ccaggaagaa gttgaatctc tgaatagacc aatgacaagt 360
tctgaaattg aggcagtaat taatagcctg ccaacaaaaa aaagcccagg accagatgga 420
ttcacagccg aattctacca gaggtacgaa gaggagctgg taccattcct tctgagacta 480
ttccaaacaa tagaaaagga gggaatcctc cctaactcat tttatgaggc cagcatcatc 540
ctgataccaa aacctggcag agacacaaca aaaaatgaaa atttcaggcc aatatccctg 600
atgaacattg atgcgaaaac cctcaataaa ataatggcaa accgaatcca gcagcacagc 660
aaaaagctta tccaccacaa tcagggtggc tttatttctg 700

```

<210> 1083

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1083

```

gggaatcctc cctaactcat tttatgaggc cagcatcatc ctgataccaa aacctggcag 60
agacacaaca aaaaatgaaa atttcaggcc aatatccctg atgaacattg atgcgaaaac 120
cctcaataaa ataattggcaa accgaatcca gcagcacagc aaaaagctta tccaccacaa 180
tcaggttggc tttatttctg ggatgcaagg ctggttcaat atatgcaaat caataaacat 240
aatccatcac ataaacagaa ccaatgacaa aaaccacatg attatctcaa tagatgcaga 300
aaaggccttt gacaaaattc aacacccctt catgctaaaa gctctcaata aactaggat 360
tgatggaaca catctcaaaa taataagagc tatttttgac aaaccacag ccaatatcat 420

```

actcaatggg	caaaagctgg	aagcattcct	tttggaaaacc	gacacaagac	aaggatgccc	480
tctctcacca	ctcctattca	acgtagtatt	ggaagtctctg	gccagggcaa	tcagggaaga	540
aaaagaaata	acgggtattc	agataggaaa	agaggaaagtc	aaattgtctc	tctttgtaga	600
tgacatgatt	gtatatattag	aaaaccccat	catctcggct	gggcacagtg	gctcacgcct	660
gtaaccccag	cactttggga	ggctgaggcg	ggtggatcac			700

<210> 1084

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1084

acgtagtatt	ggaagtctctg	gccagggcaa	tcagggaaga	aaaagaaata	acgggtattc	60
agataggaaa	agaggaaagtc	aaattgtctc	tctttgtaga	tgacatgatt	gtatatattag	120
aaaaccccat	catctcggct	gggcacagtg	gctcacgcct	gtaaccccag	cactttggga	180
ggctgaggcg	ggtggatcac	aaggtcagga	gatcgagacc	atcctggcta	acacagtga	240
accctgtgtc	tactaaaaat	acaaaaaaaa	aaaaaaatta	gccagggtgtg	gtgggtgggca	300
cctgtagtcc	cagctacatg	ggaggctgat	gcaggagaat	ggtgaaaaacc	caggagggtgg	360
agcttgacag	gagcctagat	tgtgccactg	cactccagcc	tggtgtacag	agagaggctc	420
catctcaaaa	aaaaaaaaaa	caaaaaccaa	aaaaaaaaaa	acccatcgtc	tcagcccaaa	480
atctccttaa	gctgacaagc	aacttcggca	aaggctcagg	atacaaaaacc	aatgtgcaaa	540
aatcacaggc	attcctatac	accaataata	cacaaacagc	caaatacatgc	atgaacatcc	600
atgcacaatt	gccacaaaga	gaataaaata	catgggaata	aaattttacaa	gggatgtgaa	660
ggacctcttc	aaggagaact	acaaaccact	gccaaggaa			700

<210> 1085

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1085

aacttcggca	aaggctcagg	atacaaaaacc	aatgtgcaaa	aatcacaggc	attcctatac	60
accaataata	cacaaacagc	caaatacatgc	atgaacatcc	atgcacaatt	gccacaaaga	120
gaataaaata	catgggaata	aaattttacaa	gggatgtgaa	ggacctcttc	aaggagaact	180
acaaaccact	gccaaggaa	ataagagagg	acacaaacaa	atggaaagac	attccatgct	240
catgaatagg	agaatcaat	atcgtgaaaa	tggccatact	gccccaaaata	atttatagat	300
ccagtgtcat	ccccatcaag	ctaccattga	ctttcttcac	agaattagaa	aaaactactt	360
taaattttcat	atggaaccaa	aaaagaacct	gtatagccaa	gacaatccta	agcaaaaaga	420
acaaagctgg	aggcatcatg	gtacctgact	tcaaaactata	ctataaggct	acagtaagca	480
aaacagcatg	gcagtcgtac	caaaacagat	atatagacca	gtggaataga	acagaggcct	540
cagaaatagc	accacacatc	tacaaccatc	tgatctttga	caaacctgac	aaaaacaagc	600
aatgggggaa	ggattcccta	tttaaaaatg	gtgttgggaa	aactggctaa	ccatatgcag	660
aaaactgaaa	ctggacctct	tctttacacc	ttatacaaaa			700

<210> 1086

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1086

caaaacagat	atatagacca	gtggaataga	acagaggcct	cagaaatagc	accacacatc	60
tacaaccatc	tgatctttga	caaacctgac	aaaaacaagc	aatgggggaa	ggattcccta	120
tttaaaaatg	gtgttgggaa	aactggctaa	ccatatgcag	aaaactgaaa	ctggacctct	180
tctttacacc	ttatacaaaa	attaactcaa	gatggattac	agacttaaat	gttagacctc	240
aaaccataaa	aacctagaa	gaaaacctag	acaatgccat	tcaggacata	ggcatgggca	300
aagacttcat	gactaaaaca	ccaaaagcaa	tggcaacaaa	agccaaaata	gacaaatggg	360
atctaattaa	actaaagagc	ttctgcacag	caaaagaaac	tatcatcaga	gtgaacaggc	420
aacctacaga	atgggagaaa	atttttgtaa	tctttccatc	tgacaaaagg	ctaataacca	480
gaatctacaa	gggactcaaa	caaattttaca	agaaaaaaac	aaccccatca	aaaagtgggc	540

```

aaaggatatg aacagatgct tctcaaagga agacttttat gcagccaaca aatatatgaa 600
aaaaagctca ttatcactag tcatttagtga aatgaaaatc aaaaccacaa cgagatacca 660
tctcatgccca gttagaatgg caatcattaa aaagtcagga 700

```

<210> 1087

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1087

```

caaattttaca agaaaaaaac aacccccatca aaaagtgggc aaaggatatg aacagatgct 60
tctcaaagga agacttttat gcagccaaca aatatatgaa aaaaagctca ttatcactag 120
tcatttagtga aatgaaaatc aaaaccacaa cgagatacca tctcatgccca gttagaatgg 180
caatcattaa aaagtcagga aacaacagat cctggagagg atgtggagaa gtaggaatgc 240
ttttacactg ttgggtgggag tgtaaattag tccaaccatt gtggaagaca gtgtggtgat 300
tcctcaaaaa tctagaacct gaactaccat ttgaccagc aatcccatta ctgggtatat 360
acccaaagga ttataaatca ttctactata aagacacttg cacatgtatc tttattgcag 420
cactattcac aataacaaag acttggaacc agcccaaatc aaatgtccat caatgataga 480
ctggataaag aaaatgtggc acatatacac catggaatac tatgcagcca taaaaaagga 540
ttagttcatg tcctttgctg ggacatggat gaagctggaa accagcattc tcagcaaact 600
aacacaggaa cagaaaaatcg aacaccgcat gttctcactc ataagtagga gttgaacaat 660
gagaacacat ggacacaggg agaggaactt ctcacactgg 700

```

<210> 1088

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1088

```

acatatacac catggaatac tatgcagcca taaaaaagga ttagttcatg tcctttgctg 60
ggacatggat gaagctggaa accagcattc tcagcaaact aacacaggaa cagaaaaatcg 120
aacaccgcat gttctcactc ataagtagga gttgaacaat gagaacacat ggacacaggg 180
agaggaactt ctcacactgg ggccagtcag ggggtggggga ctaggggagg gatagcatta 240
ggagaaatac ctaaggtaga tggtggggtg atgggtgcag caaaccacca tggcacatat 300
atacctatgt agcaaacta cacattctac acatgtatcc cagaacttaa aatatatata 360
tataaatatc ttaactgcca aaaagtggaa ggaactgctt gacaggtagt acactccatt 420
tctatccaag gagatgttct ggcataaagt agacaaccaa caaatgggga tactacagag 480
tcacctcatt tttattgaat tcagtaaaact tattaacatc tggtacatac taggatgctg 540
tactaagcaa aaaagtgaag cttttatggc gtgtgtccag aatatcttat ggtctatttg 600
gggatgggtg tggtagacta gatatttaaa cagacatctt cagttgattg tgtggcaagt 660
cataaaatgg atgttcagag tactgtgaga gtcagggaa 700

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<210> 1089

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1089

```

tcagtaaaact tattaacatc tggtacatac taggatgctg tactaagcaa aaaagtgaag 60
catttatggc gtgtgtccag aatatcttat ggtctatttg gggatgggtg tggtagacta 120
gatatttaaa cagacatctt cagttgattg tgtggcaagt cataaaatgg atgttcagag 180
tactgtgaga gctcaggga atgtactcaa atgctggatt tataatttta taatcactgt 240
agctgaccaa agggcaactt ctaatttgac tgcaatatgt tttcttttag ttataccatc 300
ataaaaaacct gttttagata atcttgggaa gattttacac tcttctcttt tccttttttt 360
tttttttttt gagacagtct tgctctgtca ccccggttg agtgcagtag catgatttcg 420
gctcactgca acctctctct cctgggttca agtgattctc ctgcccagc ctcttgagta 480
gctgggatta caagcatccg ccaccatgcc ctgctaattt tgtattttta gtagggacag 540
ggtttcacca tgatggctag gctggtctcg aactcttgat gtcagggtgat ctgcctgcct 600
cagcctccca aaatgctggg attacaggtg tgagccacca tgaccggctg atttcacact 660

```

cttagacttt gctgcgctaa ctcatgttag gaaaatcttt

700

<210> 1090

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1090

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ccaccatgcc ctgctaattt tgtattttta gtagggacag ggtttcacca tgatggctag 60
gctgggtctcg aactcttgat gtcagggtgat ctgcctgcct cagcctccca aaatgctggg 120
attacagggtg tgagccacca tgaccggctg atttcacact cttagacttt gctgcgctaa 180
ctcatgttag gaaaatcttt cttctgttga cactattgcc agggctcctgt ctttgacttt 240
ggctagcatg ggagaatcct tcatgactgc tgtaaaaaat aagctttgta aattccttca 300
attatttggg aagagccttg gactaggagt tagacgtcta ggctccaatt ctgatctgcc 360
cctctttttc tatatgacct tgacctaaagt tccttgatta ctttggaat cagttttctt 420
atctgaagaa tgggaaacca aaacattggc tggacttttc tcttgggtat tgtgaaggca 480
gatgagatga tgatacctgt cgaaattatc aggggaaggta taagttatct gggactctag 540
tgtacatttt aactatgggc agcgggtgtaa aacataacat tgtcatgaaa acatgttagg 600
aagcagatgt gatcgcatga atgtgaattg tgagtgaag gtaggacaac tgtctntctg 660
tctgtgctag agaccttggg actagtgggt gatgaaagg 700
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<210> 1091

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1091

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cgaaattatc aggggaaggta taagttatct gggactctag tgtacatttt aactatgggc 60
agcgggtgtaa aacataacat tgtcatgaaa acatgttagg aagcagatgt gatcgcatga 120
atgtgaattg tgagtgaag gtaggacaac tgtctntctg tctgtgctag agaccttggg 180
actagtgggt gatgaaagg gggatgggtt ttctccacc taatctttat ttctctttcg 240
attctaattc tggacagtgt tcaaattcta cacggttng tgacagtagt ttgaaaaagg 300
gatttgtaga gcttctctaa gcgacctccc tgattgctag ccatctccta ccctctcttc 360
tttccaatgt ccagactcct ctcaaaaca agcctagtgt aatctgcca ctttaagaag 420
ttgttagagg aagaaagggc aggaaagctt ggatacaagg catcaaagac caagaaggag 480
acattgagta gtgtccttga ggactctctg gaccgtctgg aaaactggga ggtctatgag 540
ggcctctgct gtggagaggg tatcaaactc attgctgtgc tctaaatgtt tgtgtcccc 600
tggaattcat atgtcaaaat cataacctgc aaggatgatg tattagaagg tgaggtcttt 660
tgggaggcga ttagtgccct tgtcaaagag acccaagaga 700
```

<210> 1092

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1092

```
ggactctctg gaccgtctgg aaaactggga ggtctatgag ggctctgct gtggagaggg 60
tatcaaactc attgctgtgc tctaaatgtt tgtgtcccc tggaattcat atgtcaaaat 120
cataacctgc aaggatgatg tattagaagg tgaggtcttt tgggaggcga ttagtgccct 180
```

```

tgtcaaagag acccaagaga gcttcctgac ccctcccact atgtgagaac acagctagaa 240
ggctccatat gtgaaccaga aagcaggctc ttaccagaca gtgaatctgc tgggtgcctt 300
catcttggac ttcgagcctc caaaactgtg aaaaataaat ttctcttggt tataagtcac 360
tcagtcaaag gtatcttggt agagcagccc ggctagacaa agacacctgt aaaaatggga 420
aaggagggtg atgggggttg aagggctgct tagggtcctt gagagacctt cagatcccc 480
gataatatga atgcttggga ccttggcctt gaagggccag atttggttga gaaagtattc 540
cagtcctcaa acctggccct taaatgcacc tctgggtctc tctcagtggt acagttatat 600
tgaacactta tttttattga tggctaatta ggtgctaggc attaagacca ttatttatat 660
tactttttga taatttttta ttaaattggct atagaaaaaa 700

```

<210> 1093

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1093

```

ccttggcctt gaagggccag atttggttga gaaagtattc cagtcctcaa acctggccct 60
taaatgcacc tctgggtctc tctcagtggt acagttatat tgaacactta tttttattga 120
tggctaatta ggtgctaggc attaagacca ttatttatat tactttttga taatttttta 180
ttaaatggct atagaaaaaa attaagtatt ttctcagtc ttcacatat ctgaattatt 240
gcactcactt tgattaattc atgggacatt ttcttaatat tttggttagt tattgccttt 300
ggaaagtccc ttttctctgt attttggcat gattagcatt aatgttttgt actcacttgt 360
ttctggttca gtactagtga tacatgtgga aaaatgaatt aatatatgcc ctttctttgg 420
tagagtgtag tctattaaag gaaaatttaa aatgtaaatc agtgatttta atatggtagt 480
gggtatgtgca aagtctgggtg gcaacacaga agacgcaatt aactctgctt taggacagag 540
aggattgaga gttcacaagg aaaggactct tgaattagaa ttcatgtag acagtggtag 600
taagagaagt tttaggctga tgctgtttca tgtgcaaata tacagtaaaa aaattacact 660
gtattttgag aacagcaata attttttcta ttagaagaac 700

```

<210> 1094

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1094

```

gcaacacaga agacgcaatt aactctgctt taggacagag aggattgaga gttcacaagg 60
aaaggactct tgaattagaa ttcatgtag acagtggtag taagagaagt tttaggctga 120
tgctgtttca tgtgcaaata tacagtaaaa aaattacact gtattttgag aacagcaata 180
attttttcta ttagaagaac ataaaatttg aaaaaggaaa ctatggtgtt caagatgtta 240
atatatgcag gcttgatta tggagggtca ggtggatcat gacatagaac ttggattttg 300
ctttgttagg cagttctcaa acttaattgt gcataggaat cacctgaaaa tcttggaaaa 360
gtacagatct tgattcagta agttagagta cagcctgaga gtctgtattt ctaacaatct 420
ccctgctaca ctgggagtag caaggatgta cagaatagaa agcactgtaa ggttcaatca 480
ggggagtgag ccagttacct tggacatgat agaaagatga ctggaagaga aacgctgttt 540
ctttccagcc ccatagaaat tgaattgtta ccgttgtaga agtcctgtgt aagggtggct 600
tccctcatag agcttgacga tgtgaggagg aatgttcctg agagataaga agctgttgaa 660
tggtttatgt ttgtcatttg tgccaaccaa gaaaaggact 700

```

<210> 1095

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1095

```

tggacatgat agaaagatga ctggaagaga aacgctgttt ctttccagcc ccatagaaat 60
tgaattgtta ccgttgtaga agtcctgtgt aagggtggct tccctcatag agcttgacga 120
tgtgaggagg aatgttcctg agagataaga agctgttgaa tggtttatgt ttgtcatttg 180
tgccaaccaa gaaaaggact tttgtttcag ttctgagggg tgaaggaggg gggcataagg 240
agtggggcta gtgcctacag ccagaggaga ctggtactta agcgagagcc tgttgctctg 300

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tgc tccccag gcaccacaga agcagcagag gcttttctgt aggtactacc atggcaagag 360
ggctccacag cttctcatca ctcaattgga agaggatgat gagtgggaca tcatcaggta 420
ttataatgtc atgtctgagg aggaaatcaa aaggatgaag gagattgtga agcccaaagt 480
aagtttctca gttggttctc accacatttt cctctgcca cttcctgaga cctaccttgc 540
tgtcattatt ttagagaaaac ttaaggaaaa agctggtagc agagttgcaa gcagatttat 600
tttttaataga cctggtcctc cagaagaaat aaatatcatt atgtattatt tggtagctca 660
gatgagaatt ttaaaaatct ctttaaattt tattaatttt 700

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<210> 1096

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1096

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accacatttt cctctgcca cttcctgaga cctaccttgc tgtcattatt ttagagaaaac 60
ttaaggaaaa agctggtagc agagttgcaa gcagatttat tttttaatga cctggtcctc 120
cagaagaaat aaatatcatt atgtattatt tggtagctca gatgagaatt ttaaaaatct 180
ctttaaattt tattaatttt caacatttta tcttagtttt aaagattgca tatggctttt 240
tagggtttgt tgcctttttc tttttaattg acataattgt atatatatat ggggtacagt 300
gtgatatttt gatattgtata tacaatgtgt aatgattaaa tcacggtaat tagcatatct 360
atcacctcaa acatttatct gtgtgtgtgt gaacattcaa aatcttctct tctagatatg 420
tgaaaataaa aaattaattg ttaattatat ttaccctaca gtgctataga acactagagc 480
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<210> 1097

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1097

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tttgcatthg cctgatgatt agtgatgttg agcatttttt catataacctg ttggccattt 660
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<210> 1098

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1098

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aagagatcct tgccataaaa atctttgccc aaaggatatg aacagacact tctcaaaaga 480
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aatacaaatc aaaatcacag tgagatacca tctcacgcca gttagaatgg caatcattaa 600
aatgtcagga aacaacagat gctggagagg atgtggagaa ataggaacgc ttttactg 660
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<210> 1099

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1099

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gctggagagg atgtggagaa ataggaacgc ttttactg ttggtgggag tgtatattag 180
tccaaccatt gtggaagaga gtgtggcgat tctcaagga tctagaagaa ataccatttg 240
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ctggggccta tcatggggtg gggggctggg ggagggatag cattagtagg agaaatacct 660
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<210> 1100

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1100

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gggggctggg ggagggatag cattagtagg agaaatacct aatgtaaatg atgagttgat 180
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ttgttgctgt tctattttta tgctagtacc atgctgggtt tgtttagctt cttgaatctg 660
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<210> 1101

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1101

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tttttcttta cgtcattgaa cgtggctcta attaaccact ctgaaatcct tgtctgtgaa 600
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<210> 1102
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1102
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actgggattt cctttttact tttcagaatt tgtgcttgct ccagactctg taatctgata 600
ttttaggtta agaaaactgg gttttctatc aaaattttag cagctgtata tgccatcaac 660
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<210> 1103
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1103
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gttttctatc aaaatttttag cagctgtata tgccatcaac tatgggtatgt cctgaggcta 180
atagtcattt taaaaacagg aaatcaccct gtactgttct cttcattcaa gggccaactt 240
ccaccatta tctgcctgct tttgtttact ctccattgac ttctactaat tgtattttgt 300
attttatcca gagtttatag ttgttatctg tgtgtgggtc actgtgatag aaaaatattc 360
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taactccatt ctttgatttt tcttctttca aggattccaa ttatacctat gttgctcttc 600
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<210> 1104
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1104
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ctgaaccagt gatcttgagt caactgtttc ttttatttct atagtgaat gcagtttttt 660

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caattaaagg tacttttatg gtatgtcttc ttcaaattgt

700

<210> 1105

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1105

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caactgtttc	ttttatttct	atagtgaat	gcagtttttt	caattaaagg	tacttttatg	180
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<210> 1106

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1106

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gtttcccggt	tacaacgtag	gcataaataa	tgggtacttt	ttttctttgt	tgggtggttt	180
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<210> 1107

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1107

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<210> 1108
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1108
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<210> 1109
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1109
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<210> 1110
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1110
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<210> 1111
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<212> DNA
 <213> Homo sapiens

<400> 1111
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<210> 1112
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<210> 1113
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 <212> DNA
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<400> 1113
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<210> 1114
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1114

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tggttgatag tgttgttcag gtcttctgta tccttattta ttttttctct attttttcta 360
tcatttattg aggactgttg aggtgtaact gtaattgtgg gtttgtatgt ttctattcag 420
gtctatcatt tttgcttcat gtattttgaa actcttgggt aggtaagtac ataattagga 480
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tatatgaaaa cagggacaag aaatatttta tatatatata taaatttata tatatatata 600
aaatatttct tgttctgaag tctccttttt tgataactaat atagctgttc tagctttctt 660
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<210> 1115

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1115

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atttaccact ttgtcatcct ataatgtccc tgttttcata tatatgaaaa cagggacaag 60
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tctccttttt tgataactaat atagctgttc tagctttctt ttgatttatg tttcaacaat 180
atatcatttt ccatcatttt atttttatta aattaatgca cttcattttt aaaagaagtt 240
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agttttctct attattaact tcttgctttc acgtgggtgtg ttcattacaa gtgatgcaca 360
aatatggata cattattatt attattattt tgaggcagag tctctccctc tgtcaccag 420
gctggagtgc agtggcatga tctcgatctc ggctcactga aacctccgcc tcctgagttc 480
aagctattct tctgcctcag cctcccagat agctggatct acaggcatgc accaccatgc 540
ccggctaatt ttttcatttt tagtagagac ggggtttcac catgttggcc aggctgggtc 600
caaagtgcgg ggattacagg catgagccac agcaccagc ctgatacatt attattaact 660
aaagtccaca attcacatta gagttctctc tttgtgtgtg 700

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<210> 1116

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1116

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cctcccagat agctggatct acaggcatgc accaccatgc ccggctaatt ttttcatttt 60
tagtagagac ggggtttcac catgttggcc aggctgggtc caaagtgcgg ggattacagg 120
catgagccac agcaccagc ctgatacatt attattaact aaagtccaca attcacatta 180
gagttctctc tttgtgttgt acagtctgtg agattttgac aattgtatga catgtgtcca 240
ccgttacagt tttatacagc ataatttcat tgccaaaaaa atgttctgtg ctccacttat 300
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cattcatcta ttggaggatg tcttggttgt atccagggtt tggcaattat gaataaagct 600
actgtgaaca tttgtatgca ggtgtttggg tgtaacttga ttttcaactg atttgggtaa 660
ataccaagca gcatgatcgc tggattgtat agtaagacta 700

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<210> 1117

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1117

```

aaataatatt ttattgtatg gctgtatcag tttgtttatc cattcatcta ttggaggatg 60

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tcttggttgt atccaggttt tggcaattat gaataaagct actgtgaaca tttgtatgca 120
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tggattgtat agtaagacta tgttttagctt tgtaagaaac tgctgaactc tcttccaaaa 240
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ctgggattac aggcgcctgc caccatgcat ggctaatttt tgtattttta gtagagaagg 600
ggtttcacca tgttgaccag actggtctcc aactcctgac ctcgtgatct gcctgcctca 660
gcctcccaaa ctgctgggat tacagggtgtg agccaccacg 700

```

```

<210> 1118
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1118
tcgagttcaa gcaattctcc tgccctcagcc tcccaagcag ctgggattac aggcgcctgc 60
caccatgcat ggctaatttt tgtattttta gtagagaagg ggtttcacca tgttgaccag 120
actgggtctc aactcctgac ctcgtgatct gcctgcctca gcctcccaaa ctgctgggat 180
tacagggtgt agccaccacg cctggccaat atttagcatc ttttcatata cttacttgcc 240
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tgggttattt attttcttat tgttgagttt tgagagttct ttatatattt ttaataacag 360
tcctttatca gatacgtgtt ttgcaaatat tttctcccag tctgtggctt ttctttttat 420
tctcttgaca tattttactt ttaaccatc tttgccttta tgttttagagt gagctcctta 480
tagaaagcat ataatcatgc cttgcttttt catccaattg gacaatctct tttaatattg 540
tatgttttaga tcatttatac ttaatatagt tattgatata gttggactaa aatctgtcat 600
ttttcttgct attttttatt tgttccatct gttttttgtt ctttttttcc ctttttctgc 660
ctgcttttga attggtattt ttcttttatt atactttaag 700

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<210> 1119
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1119
cttgcttttt catccaattg gacaatctct tttaatattg tatgtttaga tcatttatac 60
ttaatatagt tattgatata gttggactaa aatctgtcat ttttcttgct attttttatt 120
tgttccatct gttttttgtt ctttttttcc ctttttctgc ctgcttttga attggctatt 180
ttcttttatt atactttaag ttttagggta catgtgcaca atgtgcaggt ttgttacata 240
tgtatacatg tgccatgttg gtgtgctgcc cccattaact cgtcatttac attaggtata 300
tctcctaatt ctatccctcc cctctcccc taccgcagaa caggccctgg tgtgtgatgt 360
tccccttctc ctgtccatgc gttctcattg ttcaattccc acctacgagt gagaacatgc 420
ggtgtttgga ttttttgctc ttgtgatagt ttgctgagaa tgatggtttc cagcttcac 480
catgtcccta caaaggacat gaactcatca ttttttatgg ctgcatagca ttccatgggtg 540
tatatgtgcc acattttctt aatccagtct atcattgttg gactattttt tatgctgttt 600
ttttccttcc tttattggct tatttataac ctcttttaag aaaattttag tggttgtcct 660
taagtttaca gtatgcacct ttaattaatc acagtcagcc 700

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```

<210> 1120
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1120
gaactcatca ttttttatgg ctgcatagca ttccatgggt tatatgtgcc acattttctt 60
aatccagtct atcattgttg gactattttt tatgctgttt ttttccttcc tttattggct 120
tatttataac ctcttttaag aaaattttag tggttgtcct taagtttaca gtatgcacct 180

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ttaattaatc	acagtcagcc	ttcaaatagt	acgtataata	tatataaggt	ttaagaacct	240
tatgatactc	ctaatttttt	cctcccaatt	ttgtgctata	gttttcatgc	actttattat	300
atgctgtatt	ccaacacact	gctactat	tttgcttttag	acaattatgt	tttagataat	360
taaaaataag	aaaaagtatt	ttatgtttat	cttcatttat	ccattcccag	acatctttat	420
tacttttgtg	agattcaagt	tcttgtaggg	caggtctgtg	gataatgaat	tatctcagct	480
tttatttgtc	tgaaaagata	tttaggaatt	tgagtttcca	gtccagcatg	ttaggagttt	540
taaaaagttg	ccactccatc	ctaacaacaa	ataaaaactg	aacaagctga	agaattaaca	600
actcttctta	gatctataag	agaggtgagg	tcacaaggta	aacttctgcc	cccagaattg	660
gggagaaaaa	caggcagata	cagaaaatca	caacttacca			700

<210> 1121

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1121

tttaggaatt	tgagtttcca	gtccagcatg	ttaggagttt	taaaaagttg	ccactccatc	60
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agaggtgagg	tcacaaggta	aacttctgcc	cccagaattg	gggagaaaaa	caggcagata	180
cagaaaaatca	caacttacca	gagcggaaac	tcacctccat	gagaagaagt	accgggatag	240
aaaaacctga	actatagttg	acaaattgtg	gaggtcag	gtggacaagc	ctgagtaata	300
aaaaccccag	gggatcccag	tcacaggtta	tccctcacac	ttctgtaagt	tttatgtgaa	360
gattggagaa	aaatctcctt	atgcttccag	cagggggagg	aaaaaggaac	gtttttgtaa	420
tatgtcaaga	gcattctgtt	cttgaccaga	cctgagccta	acctgctgaa	gttttgttta	480
agagctcgac	ccatctgggg	caagggaaat	aactccagcc	ccctctggct	atcctttccc	540
atttaaagg	gggataaaaa	gctgaaaacg	actggtgaag	ttcattgtct	agcaacacag	600
gctcaccaga	agactgagat	ctaatacatag	gactatggaa	cacttcctg	ccctccatat	660
cttaccacta	cattactaaa	agcctatgta	gccaggcg			700

<210> 1122

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1122

caagggaaat	aactccagcc	ccctctggct	atcctttccc	atttaaagg	gggataaaaa	60
gctgaaaacg	actggtgaag	ttcattgtct	agcaacacag	gctcaccaga	agactgagat	120
ctaatacatag	gactatggaa	cacttcctg	ccctccatat	cttaccacta	cattactaaa	180
agcctatgta	gccaggcg	gcgtctcacg	cctataatcc	cagcactttg	ggaggccaag	240
gcgggagaat	cacttgaggc	caggagttca	agaccatcct	ggccaatatg	gtgaaacccc	300
atctctacta	aaattacaaa	aaatagctgg	gcttgggtgg	acacacctgt	aatcccagct	360
acgtgggagg	ctgaggcagg	agaaccactt	gaacccggga	ggcagagggt	gcagtgagct	420
gagatcacgc	cactgcactc	cagcctgggc	aacaaagtgc	gactctgtct	caaaaaacaaa	480
caaataaaca	cacaacctaa	aagtcttttt	accacaattc	ctttttacccc	gtacaccttt	540
cagcagtata	ctacaaggca	tattaaaagg	caaaaaacac	aattggaaga	gacagagcaa	600
ccatcagaat	cagaccata	tgtggcaagg	atgtgagaat	tatcagactg	ggaatttttaa	660
acaactatga	ttaatatgcc	aagggcacta	atagaaaaag			700

<210> 1123

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1123

aagtcttttt	accacaattc	ctttttacccc	gtacaccttt	cagcagtata	ctacaaggca	60
tattaaaagg	caaaaaacac	aattggaaga	gacagagcaa	ccatcagaat	cagaccata	120
tgtggcaagg	atgtgagaat	tatcagactg	ggaattttta	acaactatga	ttaatatgcc	180
aagggcacta	atagaaaaag	taggtaacat	gcaagaacag	atgagtaatg	taagcagaga	240
aatgcaaaact	ctaagaaaaga	tttaaatcaa	atgaagatgc	tggaataaaa	aacatagtaa	300


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ctgaaattaa gaataccttt ggттаagctc atcagtatac tggacacaga tgaggaaaga 360
aacagtгaga cttaagatat gtcaatagaa atttcccaaa atgaaaggca aagaggaaat 420
aaaactttaa aaaacagaat atccaagaac tgтаagacaa ccacaaaaat gтаagtacat 480
ataatgatag tattggagaa gaaactгaga aaggaaacaga agcaatattt gaagcagtaa 540
ggaaataatt ttcttcaaat таatgtcaga catcaaacca cagatctaag aatcagagaa 600
caccaaатag gataaaattt taaaaagccc caaaaatgaa aaactatacc taggcatatc 660
atattaaaac tgcagaaatt ttсagataaa gaaaaaaaat 700

```

<210> 1124

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1124

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gaaactгaga aaggaaacaga agcaatattt gaagcagtaa ggaaataatt ttcttcaaat 60
таatgtcaga catcaaacca cagatctaag aatcagagaa caccaaатag gataaaattt 120
taaaaagccc caaaaatgaa aaactatacc taggcatatc atattaaaac tgcagaaatt 180
ttcagataaa gaaaaaaaat cttgaaagaa agccgggggt ggagggggga atcttatcta 240
taaaggagca aagataagaa atattttctcc tcctгagaaa tcatгcaagc aagaaaaaat 300
tgгagtгaaa aatcaaagca ttгagagaaa aaaaaaaaac cccaccaacc tacaattctг 360
tcctгcaaa attatccttc aaaagtгaag atгagataaa gactttctca gataaaacaaa 420
aactгаatга aattгttгcc agtagatctt cttгtaaga aatгtttaaa agaagtгgtt 480
caggгagaag gaaaatгata taggtcagaa tctcagatct atataaagaa agcatcagag 540
aaggгagtaag таaatataaa ataaacacat ttttcttatt cttaattgat gтаactгata 600
acagtttгtt таacaatatt aacaatгcat tcaattttgt gtгtгtatat aaatatatac 660
atttatгtgt gcttatгаat aagtгaaatг aatгacagca 700

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<210> 1125

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1125

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taggtcagaa tctcagatct atataaagaa agcatcagag aaggagtaag таaatataaa 60
ataaacacat ttttcttatt cttaattgat gтаactгata acagtttгtt таacaatatt 120
aacaatгcat tcaattttgt gtгtгtatat aaatatatac atttatгtgt gcttatгаat 180
aagtгaaatг aatгacagca gtгatгcaag gгatгggagg gagaattaga aatacttгgt 240
tattaggtac ttгcactгta ttгgaagtгg tatagtatta tttgaaaatг gattгggggt 300
agttataaat гcatattttca aactctaggг caaccacttt aaaaagtaag aaaaagaagt 360
ataattгgta тгctaagaaa agagagaaaa ttгaatcata таaaatгctc aattaaaacc 420
acгgaaggca gaaaaagagt ggaagacaga aataggгaca aagaacaaag gcaacaaata 480
gaaaatagta acagatatгg cagatcaaac tatatcagta aacacttcac agtcactctг 540
gaaggcagtt тггctгtctc ttaccaaaact aaacatгctc ttagcacatг atccagccct 600
тгcactcctt agaatttacc caaataagtt aaaaacttat gttcacccag aacagctгca 660
tacagctгtt tatagcagct ttcttcатag ttгcгaaaaac 700

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<210> 1126

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1126

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cagatcaaac tatatcagta aacacttcac agtcactctг gaaggcagtt тггctгtctc 60
ttaccaaact aaacatгctc ttagcacatг atccagccct тгcactcctt agaatttacc 120
caaataagtt aaaaacttat gttcacccag aacagctгca tacagctгtt tatagcagct 180
ttcttcатag ttгcгaaaac ctгgaagcaa ccaagatгtc ttгcttccag gtttгgaagg 240
atгgatгggт aaataaactг atacatccag гcaatгaaat attгttcagт gctaaaagga 300
aatгcactat caagctataa aaagacatгg aggaacctta aatгcatatt gctaaгtgaa 360
agaagctcat ctгagaaggc cagcttcaag тgattctcat gcctcaacct ctcaagtagc 420

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tgggattaca ggcacgtgcc accatgcctg gctaattttt tcatttttag tagagacaag 480
gtttcaccat gttggccatg ctggtcttga actcttgacc tcaagtgate cgcccacctt 540
ggcctcccaa agtggtagga ttacaggcat gagccacat gcccccaccc attatacgtt 600
tgtcaaaacc cacagaatgt acgccaccaa gagtgaaccc taatataaac tgtggacctg 660
gggtgataat tatgtgacaa tgtaggttca ttgatctaac 700

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<210> 1127

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1127

```

ctggtcttga actcttgacc tcaagtgate cgcccacctt ggcctcccaa agtggtagga 60
ttacaggcat gagccacat gcccccaccc attatacgtt tgtcaaaacc cacagaatgt 120
acgccaccaa gagtgaaccc taatataaac tgtggacctg gggtgataat tatgtgacaa 180
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cacaccattg tcttctggat tatataatct ctgaatatgt ctgctgtaat tcttatcttg 480
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ggttttcagc agtttaaaata taacgtatct ttctaagcgt gatttctttt agtggtggtg 600
gtgggggtatt tatcctgatt gtgacctctg agttttatctt tttaaaaaat acatatatat 660
atttaataata tatttaaatg tataattttt atatatttat 700

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<210> 1128

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1128

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ctttttatct tgctatgttt aagattttct atttgttttt ggttttcagc agtttaaaata 60
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gtgacctctg agtttatctt tttaaaaaat acatatatat atttaataata tatttaaatg 180
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aatatagatg acgggttgat ggggtgcagca aaccatcatg gcatgtgtat acctatgtaa 480
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aaaagaaaaa ttaaaatcta cttccttcct ctggaatttt aaggcttagg agaagagttg 600
tgtacatgtc cagaagaaaa gtggagttga gtcagtttat taggatgtgg tgtggggttg 660
ggattttttt gtttttggtt ttgtggttgc tttcagtgtg 700

```

<210> 1129

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1129

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atgtatccca gaacttaaa gataataaaa aaaattttta aaaagaaaaa ttaaaatcta 60
cttccttcct ctggaatttt aaggcttagg agaagagttg tgtacatgtc cagaagaaaa 120
gtggagttga gtcagtttat taggatgtgg tgtggggttg ggattttttt gtttttggtt 180
ttgtggttgc tttcagtgtt cctccaactt caaagcattg tgcttagagt agaggctggg 240
tttccagagg ttttttggtt tgttttctta aaatgttcct gctttacttg cagctttcag 300
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ggactctcta ctgtcctggt ccagcctcac tattagacag gctaaaagtt ctgtcagcct 480
gtgggaaggg caggaaatgg tctggcccaa gttcattaga ggtttttggt attgggttgg 540

```

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ttgtttgttt gtttgtttgt tttgagacag agtcttgttc tgtcaccacag gctggagtgc 600
agtgggtgca tctcagctca ctgcaacttc tgcctcctgg gttcaagcaa ttctcctgcc 660
tcagctcctg agtagagggg attacaggca tgtgccacta 700

```

<210> 1130

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1130

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tctggcccaa gttcattaga ggtttttgtt attggtttgt ttgtttgttt gtttgtttgt 60
tttgagacag agtcttgttc tgtcaccacag gctggagtgc agtgggtgca tctcagctca 120
ctgcaacttc tgcctcctgg gttcaagcaa ttctcctgcc tcagctcctg agtagagggg 180
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ttggctgtct cagagagggg atcaggatca ccaggaaatc tccagacatg gagaaccagt 480
ctttcttgtg agcatccagt aaaggctctgt ggagaaaaat gtatgagaga ggtgtgaatt 540
tttcttgtgt ctgtgactcc caggaatttc atattcacac attagccac aatttgcctt 600
tagtaatttt tttttttaa agctccagtc tgcagctccc agtgagacca acgcagaagg 660
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```

<210> 1131

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1131

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aaaggctctgt ggagaaaaat gtatgagaga ggtgtgaatt tttcttgtgt ctgtgactcc 60
caggaatttc atattcacac attagccac aatttgcctt tagtaatttt tttttttaa 120
agctccagtc tgcagctccc agtgagacca acgcagaagg tgggtgattt ccagctgagg 180
tgcccgggtc atctcatttg gactagttag gcagtgggtg ccaccacag agagcaagca 240
gaagcagggg ggggcatcgc ttcacctggg aagtgcagg agccagggga cctcccttcc 300
acagccaagg gaagtgtga gggactgtgc taccctccct ggatactaca cttttcccg 360
ggatttttgc aatctgcaga tcaggagatt cctcgtgaa cttacaccac cagagccctg 420
ggtttcaagc acaaaactga gcagctgatt gggcaggcac tgagctagct acaggagttt 480
ttttgtactc cagcggcacc tggaaccata atgagacagg agacaggaga gacaggagaa 540
ccgtccactc ccctagaaag ggggctgaag ccaggagacc aagtggctct gctcagcagg 600
tccactccc acagatccca gcaagctaag aaccactggc ttgaaattct cactgccagc 660
acagcagtct ggagttgacc cagaatgac gagcttggtg 700

```

<210> 1132

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1132

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tggaaccata atgagacagg agacaggaga gacaggagaa ccgtccactc ccctagaaag 60
ggggctgaag ccaggagacc aagtggctct gctcagcagg tccactccc acagatccca 120
gcaagctaag aaccactggc ttgaaattct cactgccagc acagcagtct ggagttgacc 180
cagaatgac gagcttggtg gcgggagggg catccaccag tactgaggca ttagtaggcg 240
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cctgcctcct ggctctgaag aaagcaactg atcctgacaa gggggattat tccagcacag 540
tgtactagct ctgctaagga acagactgcc ttctcaagtg ggtccctgac ccctgtgcct 600
ctgactggga gagacctccc aacagggatc aacagacacc tcatacagga gagctctggc 660

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tgccatcagg ccagtgcccc ctgggatgaa gcttccagag

700

<210> 1133

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1133

aaagcaactg	atcctgacaa	gggggattat	tccagcacag	tgtactagct	ctgctaagga	60
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aacagggatc	aacagacacc	tcatacagga	gagctctggc	tgccatcagg	ccagtgcccc	180
ctgggatgaa	gcttccagag	gaaggagcag	gcagcaatct	ttgctgttct	gcagcctcca	240
ctgggtgatac	ccaggtgaac	aggggtctgga	gttgacctcc	agcaaaactac	agcagacctg	300
cagaagaggg	gcctgactgt	tagaaggaaa	actaacaac	agaaagcagc	aacaacaaca	360
acataaaaaa	gatccccaca	caagaacccc	atccaaagg	cattagcctc	aaagatcaaa	420
ggtagataaa	tccatgaaga	tgaggaaaaa	ccagtacaga	aattgctgaaa	attccaaaag	480
ccagaatgcc	tcttctcctc	caactgattg	cagcacctct	ccagcaagg	tgtaaaactg	540
gacagagaat	gagattgatg	aattgacaga	agtaggcttc	agaagatggg	taataacaaa	600
ttcctctgag	ctaaaggagc	acgttctcac	ccaatgcaag	gaagctaaga	acctaataaa	660
aggttacagg	aactactaac	tagaataacc	agttcagaga			700

<210> 1134

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1134

caactgattg	cagcacctct	ccagcaagg	tgtaaaactg	gacagagaat	gagattgatg	60
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acgttctcac	ccaatgcaag	gaagctaaga	acctaataaa	aggttacagg	aactactaac	180
tagaataacc	agttcagaga	ggaatataaa	tgacctgatg	tagctgaaaa	aacagcatga	240
taatttagtg	aagcataaac	aagtattagt	agccaaatca	cgtggaagaa	aggatgtcag	300
aaattgaaga	ccaccttgct	gaaataaagc	atgaagacaa	gattagagaa	aaaggaatga	360
aaaggaatga	acaaagcctc	cacaaaaat	gtgactatgt	gaaaggacca	aacctacaat	420
taatgggtgt	acctgaaagt	gatggggaga	ttggaaccaa	gttggaaaac	acacttcagg	480
atattatcca	gaacttcccc	aacctagcaa	gataggccaa	tattcaaatt	caggaaatac	540
agagaacacc	acaaaaatac	tccttgagaa	gatcagcccc	aagacacata	atcttcagat	600
tcaccaaggt	tgaaatgaag	gaaaaaatgt	taagggcagc	cagaaagaaa	ggtcgggtca	660
cgtacaaagg	gaagcccatc	agactaacag	cagatctctc			700

<210> 1135

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1135

aacctagcaa	gataggccaa	tattcaaatt	caggaaatac	agagaacacc	acaaaaatac	60
tccttgagaa	gatcagcccc	aagacacata	atcttcagat	tcaccaaggt	tgaaatgaag	120
gaaaaaatgt	taagggcagc	cagaaagaaa	ggtcgggtca	cgtacaaagg	gaagcccatc	180
agactaacag	cagatctctc	tgcaaaaacc	ctacaagcca	gaagagcatg	ggagccaata	240
ttcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	tatatccagc	caaactaagt	300
ttcataagca	aaagagaaat	aaagtccttg	agagacaagc	aaatactgag	gattttgtca	360
ccaccaggcc	tgcttgcaa	gagcacctga	aggaaacact	aactatggaa	aggaaaaact	420
ggtaccagcc	attgcaaaaa	cacatcaaaa	tataaagacc	atcaacacta	tgaagaaact	480
gcatcaacta	atgtgcaaaa	tagccagcta	gcatcatgat	gacaggatca	gattcacaca	540
caataatatt	aaccttaaat	gtaaatgggc	taaatgcccc	agttaaaaga	cacagactgg	600
caaattggat	aaagagtaaa	gacccatcca	tgtgctgtat	tcagtagacc	catctcatgt	660
gcaaagacac	acataggctc	aaaataaagg	gatggaggga			700

<210> 1136
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1136
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 gacccatcca tgtgctgtat tcagtagacc catctcatgt gcaaagacac acataggctc 180
 aaaataaagg gatggaggga tatttaccaa gcaaatggaa agcaaaaaaa gtaggagttg 240
 cagtcctagt ctccgataac acatacttta aaccaacaaa gatcataaaa gacaaagagg 300
 ggcattacat aatggtaaag ggatcaatgc aacaagaaga gctaactctc ctaaagtgtac 360
 atgcacccaa tacaggagca cccagattca taaaacaagt tcttagagat gtacaaagag 420
 acttagactc ccacacaata aaaaaggagg actttaacac cccactttca atattagatg 480
 gatcaacgag acagaaaatt aacaaggata ttcaggatgt gaactcagct ctggatcaag 540
 gggacctaata agacatctac agaactctcc accccaaatc aacagaatat ttattcttct 600
 cagcaccaca tggcacttat tctaaaattg accacatgat tgggagtaaa acactcctca 660
 gcaaatgcag aagaatggaa ataataacag tctgtcagac 700

<210> 1137
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1137
 aacaaggata ttcaggatgt gaactcagct ctggatcaag gggacctaata agacatctac 60
 agaactctcc accccaaatc aacagaatat ttattcttct cagcaccaca tggcacttat 120
 tctaaaattg accacatgat tgggagtaaa acactcctca gcaaatgcag aagaatggaa 180
 ataataacag tctgtcagac cacagtgtga ttagcattaa gaagctcact caaacctca 240
 caactacatg gaaattgaac aatgtgctcc tgaatgacta ctgggtaaat aacaaaatta 300
 aggcagaaat caagaagttc tttgaaacca atgagaacaa agactcaaca tgccagaatc 360
 tctgggacat agctaaagta gtgttaagag agaaatttat agcactaaag gccacatca 420
 gaaagctgga aagatctcaa attgacaccc taacatcaca attaaaagga ttagaaagca 480
 ggagcaaaaa aattcaaaaa ctagcagaag acaagaaata actaagatta gatcagaact 540
 gaaggagata gaggcacaaa aaacccttca aaaatcagtg aatccaggag gtgggttttt 600
 gaaaaaaaaa aaaaaattaa caaaatagat agactcctag ctgactagt aaagaagaaa 660
 agagaagaat caaatagaca caataaaaaa gataaagaga 700

<210> 1138
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1138
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 aaacccttca aaaatcagtg aatccaggag gtgggttttt gaaaaaaaaa aaaaaattaa 120
 caaaatagat agactcctag ctgactagt aaagaagaaa agagaagaat caaatagaca 180
 caataaaaaa gataaagaga atatcagcac tgatccaca gaaatgcaca ctaccatcag 240
 agaatactat aaacacatct acacaagtaa actagaaaaa ctagaaaaaa tggataaatt 300
 cctggacaca tacatctctc caagactaaa ccaggaagaa gtcgagtccc tgaatagacc 360
 aataacaagt tctgaaatcg aggcaataa taatagccta ccaacaaaaa aaatcccagg 420
 accagacaga tttcacaacc aatttctacc agagggtaca agaggagctg gtaccattcc 480
 ttctgaaact attctaaata attgaaaaag aggcactcct cctgaactca ttttatgagg 540
 ccagcatcat cctaatacca aaaccttgca gagacataac aaaaacagaa aacttcaggc 600
 caatatccct gatgaacatt gatgagaaaa tcctcaataa aatactggca aaccaaattc 660
 agcagcacat caaaaaagtt atccaccaca atcaagtcag 700

<210> 1139
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1139

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attgaaaaag aggcactcct cctgaactca ttttatgagg ccagcatcat cctaatacca 60
aaaccttgca gagacataac aaaaacagaa aacttcaggc caatatccct gatgaacatt 120
gatgagaaaa tcctcaataa aatactggca aaccaaattc agcagcacat caaaaaagtt 180
atccaccaca atcaagtcag cttcatccct gggatgcatg gctgggttcaa catatgcaaa 240
tcaataagcg taatccatca cataaacaga accaatgaca aaaactgcat gatttttctc 300
atggatgcag aaaacgcctt caataaaatt caacatccct tcatgctaaa aactctcaat 360
aaactaggtta ttcatggaac atatctcaaa ataataagag ctattttatga caaaccacaca 420
gccaatatca tactgaattg gcaaaagctg gaagcattct ctttgaaaac ccagcacgag 480
acaaggatgc cctctctttac cactcctatt caacatagta ttggaagttc tggccagggc 540
aatcaggcaa aagaaagaaa taaagggttc aaataggaag agaggaagtc aaattgtctc 600
tgtttacaga tgacatgatt ctatatattag aaaaccctat tgtcttgccc aaaatctctc 660
taagctgata agcaaattta gcaaagtctc aggggtacaaa 700

```

<210> 1140

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1140

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cactcctatt caacatagta ttggaagttc tggccagggc aatcaggcaa aagaaagaaa 60
taaagggttc aaataggaag agaggaagtc aaattgtctc tgtttacaga tgacatgatt 120
ctatatattag aaaaccctat tgtcttgccc aaaatctctc taagctgata agcaaattta 180
gcaaagtctc aggggtacaaa accaatgtgc aaaaattaca agcattccta tacaccaaca 240
atagacaagc agagagccga atcatgaatg aactctcttt cacaattgct acaaagatag 300
taaaatacct aggaatacaa cttacaaggg atgtgaagga cctcttcaag gagaacaaca 360
aacaactgct caaagaaata agagaggaca caaacaattg gaaaaacatt ccatgctcat 420
ggatagaaaag aatcaatatt gtgaaaattg ccatactgcc caaagtaatt tatagattca 480
atgctgttcc catcaagcta ccattgactt tctttgcaga attaaaaaaa ctactttgaa 540
tttcatatgg aacctaaaaa gaacctgtat agccaagacc taagcaaaaa caacaaagct 600
ggaggcatca cgctccctga catcaaacta tactacaagg ctacagtaag caaaacagca 660
tggtactgct accaaaacag atatatagac caatggacca 700

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<210> 1141

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1141

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ccattgactt tctttgcaga attaaaaaaa ctactttgaa tttcatatgg aacctaaaaa 60
gaacctgtat agccaagacc taagcaaaaa caacaaagct ggaggcatca cgctccctga 120
catcaaacta tactacaagg ctacagtaag caaaacagca tgggtactgct accaaaacag 180
atatatagac caatggacca gaacagagac ctcagaagta acaccacaca tctacaacca 240
tctgatcttt gacaaacctg acaaaagcaa tggggaaaagg attccctatt taataaatga 300
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aattaactca agatggatta aagacttaaa tggaaaaccc aaaaccataa aaaccctaga 420
agaaaaacct aggcaatacc attcagaaca taggcatgga caaagacttc atgattaaaa 480
caccaaaagc aatggcaaca aaagccaaaa tagacaaatg ggatctaatt aaactaaaga 540
gcttctgcac agcaaaagaa actatcatca gagtgaacag gcaaccgaca gaatgggaga 600
aaatttttgc agtctaccca tctgacaaag gtctagtatc cagtatctac aaggaactta 660
aacaaattta caagaaaaat caaatgaccc cgtgaaaaag 700

```

<210> 1142

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1142

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aaagccaaaa tagacaaatg ggatctaatt aaactaaaga gcttctgcac agcaaaagaa 60
actatcatca gagtgaacag gcaaccgaca gaatgggaga aaatttttgc agtctaccca 120
tctgacaaag gtctagtatc cagtatctac aaggaaactta aacaaattta caagaaaaat 180
caaatgaccc cgtgaaaaag tgggcaaagt gtatgaacag aaaattctca aaaaagacat 240
ttatgtggcc aacaaacata tggaaaaagg ctcatcatcc caccattaga gaaatgcaaa 300
tcaaaaccac agtgagatac catctcatgt aagtcagaat ggtgattatt aaaagtcagg 360
aaacagtaga tggtgacgag gctgtggaga aataggaatg cttttacagt gttggtggga 420
gtgtaaatta gttcaaccat tgtggaagac aatgtggcga tacctcaagg ttctagaatc 480
agaactacca tttgaccag caatcccatt actgggtata tacctaaagg attagaaatc 540
attctataaa gacacatgtg catgtatgtt tattgcagca ctatttaca tagcaaagac 600
ttggaaccaa cccaaatgtc catcaatgct agactggata tacaccatgg aatactacgc 660
aaccataaaa aagaatgaga tcgtctcctt tgcagggtaca 700

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<210> 1143

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1143

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caatcccatt actgggtata tacctaaagg attagaaatc attctataaa gacacatgtg 60
catgtatgtt tattgcagca ctatttaca tagcaaagac ttggaaccaa cccaaatgtc 120
catcaatgct agactggata tacaccatgg aatactacgc aaccataaaa aagaatgaga 180
tcgtctcctt tgcagggtaca tggatgaagc tgggaagccat cattctcagc aaactaacac 240
aggaacagaa aaccaaaccac tgcattgtct cactcataag tgggagttga acaatgagaa 300
cacatggaca caggaaggag aacaacacac gtcaagggtct gttagggggg ggggggcaag 360
gagagggaga gcattaggag agatacctaa cgtaagcagg gcttaaaacc tagatgacgg 420
gttgataggt gcagcaaacc atgatggcac gtgtatactt atgtaacaaa cctgcacatt 480
ctgcacatgc atcccagata tcaaagtaag attaaaaaat aaataaaaaat gaaaaagaca 540
aaaaaaaccc cacagaaatt atttttacct gcttctatgt tgcccagtg ttcttccttt 600
tgtgttctgc cacagatgac ccagtgtctca tgtctcattt ctcttttggtg gcatctatct 660
tttcttacat tttagacttt tttttttttt tttttttgag 700

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<210> 1144

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1144

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tcaaagtaag attaaaaaat aaataaaaaat gaaaaagaca aaaaaaaccc cacagaaatt 60
atttttacct gcttctatgt tgcccagtg ttcttccttt tgtgttctgc cacagatgac 120
ccagtgtctca tgtctcattt ctcttttggtg gcatctatct tttcttacat tttagacttt 180
tttttttttt tttttttgag atggagtctc actccgttgc ctaggctgga atgcagtggc 240
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tcttgagtag ctgggattac atgcacatgc caccatgcct ggctgatttt ttggtatttt 360
tagtagagat ggggtttcac catgttggcc aggctagtct tgaactcctg acctcagggtg 420
atccaccgcg ctacgcctcc caaagtgtg gaatgacagg cataagacac catgcccggc 480
ccatttttaga ctttttgatt gccctatgat ctgagttctc taatgagttt aggaaaagtt 540
atgattttgt agtttatctg gctattgttg ctgttaggat gtaatactca tcccagcttt 600
ccacatcctg caatttcttt gtgttttaag aatttttttt aattttatact ttaagttctg 660
gggtatctgt gcagaatgtg cagttttgtt acataggtat 700

```

<210> 1145

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1145

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gccctatgat ctgagttctc taatgagttt aggaaaagtt atgattttgt agtttatctg 60

```

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gctattgttg ctgttaggat gtaatactca tcccagcttt ccacatcctg caatttccttt 120
gtgttttaag aatttttttt aattttatact ttaagttctg gggatatctgt gcagaatgtg 180
cagttttgtt acataggtat acacgtgccca tgggtggttta ctgcacccat gaacctgtca 240
tctacattag ttatttcccc taatactatc cctcccctag cccccaactt cccgacaggc 300
cctgaggtgt gatattcccc tccctgtgtc catgtgttct cattgttcaa ctcccactta 360
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gtttccagct tcatccatgt ccttgcaaag gactcatcgt tttttatggc tgcatagtat 480
tccatgggtg atagtgtcca cattttcttt atccagtata tcaactgatgg gcatttgggt 540
tggttccaag tctttgctgt tgtgtacagt gccgcaaata aacatacgtg tgcattgtgtc 600
ttcatagtac aatgatttat aatcttttgg gtatataccc agtaatggga ttgctgggtc 660
aaatagtagt tctggttcta gatccttgag gaatcaccac 700

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<210> 1146

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1146

```

cattttcttt atccagtata tcaactgatgg gcatttgggt tggttccaag tctttgctgt 60
tgtgtacagt gccgcaaata aacatacgtg tgcattgtgtc ttcatagtac aatgatttat 120
aatcttttgg gtatataccc agtaatggga ttgctgggtc aaatagtagt tctggttcta 180
gatccttgag gaatcaccac attgtcttcc acaatggcta aactaattta cactcccacc 240
aacactgtaa aagtgttact atttctccac atcctctcca gcatctgttg tttccagact 300
ttttaatgat tgccattcta actggcgtga gatgggtatc tcattgtgat ttcgatttgc 360
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tcttcttttg agaagtgtct gtccatatacc tttgcccact ttttgatggg gttggttttt 480
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tagattgcaa acattttctc ccattctgca ggttgccctg tcactctgac gatagttttt 600
ttttctgtgc agaagctctt tagtttaatt agatcccatt tgtcaatttt ggcttttgtt 660
gccattactt ttgggtgttt aatcatgaag tctttgtcca 700

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<210> 1147

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1147

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ttccttgtag attctggata ttagcccttt gtcagatgga tagattgcaa acattttctc 60
ccattctgca ggttgccctgt tcactctgac gatagttttt ttttctgtgc agaagctctt 120
tagtttaatt agatcccatt tgtcaatttt ggcttttgtt gccattactt ttgggtgttt 180
aatcatgaag tctttgtcca tgcctatgtc ctgaatggta ttgcctagggt tttcttctgg 240
ggtttttatg attttgcgtt ttccatttaa gtctttaatc catcttgagt taatttttgt 300
gtaagggtga aggaaggggc tcagtttcag ttttctgcat atagctagcc aattttccca 360
acaccattta ttaaataggg aatcgtttcc ccatttcttg tttttgtcag gtttgtcaaa 420
gatcagatgg ttgtacatat gtggtgttat ttttgaggtc tctgttctgt tccattgggtc 480
tatgtatctg ttttggtacc actaccatgt tttggttact atagccttgt agtatagttt 540
gaagtcagggt agcatgatgc ccccaacttt gtacttttta cttaggattg tcttggctat 600
gcagtctttt tttaggttcc acatgaaagc taaagtagtt tttaccaa at ctgtgaagaa 660
agtcaatggg aacttgatgg ggatagcact gaatctgtta 700

```

<210> 1148

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1148

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actaccatgt tttggttact atagccttgt agtatagttt gaagtcagggt agcatgatgc 60
ccccaaactt gtacttttta cttaggattg tcttggctat gcagtctttt tttaggttcc 120
acatgaaagc taaagtagtt tttaccaa at ctgtgaagaa agtcaatggg aacttgatgg 180

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```

ggatagcact gaatctgtta attacttttg gcagtatgcc attttcatga tattgattct 240
tcctattcat gagcatagaa tgtctttcca tttgtttgtg tcctctctta ttttcttgat 300
cagtggtttg tagttcttga agagatcctt ctcacccctt gtaagttgta ttcctaggta 360
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atatagaatc atgtcatctg taaacagaga caatttgact tcctcttttc ctgtttgaat 600
accctttatt tctttctctt gcccgattgc cctggccaga acttccaata ttattatgtt 660
gaataggagt ggcgagagag gccatccttg tcttgtgctg 700

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<210> 1149

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1149

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gcttaagaag attttgagct gagacaatgg gattttctaa atatagaatc atgtcatctg 60
taaacagaga caatttgact tcctcttttc ctgtttgaat accctttatt tctttctctt 120
gcccgattgc cctggccaga acttccaata ttattatgtt gaataggagt ggcgagagag 180
gccatccttg tcttgtgctg gttttcaaag gaaatgcttc cagcttttgc ccattcagta 240
tgatattggc tgtgggtttg tcataaatag ctcttattat tttgagatat gttccatgaa 300
tacctagttt attaagagtt tttaacatga agagggtgtg aattttgtca aaggcctttt 360
ctgcatctat tgagataatc atgtgggttt tgtcattggg tctgtttatg tgatggatta 420
cacttatgga tttgtgtatg ttgaaccagc cttgcatccc agaaatgaag ccgagttgat 480
tgtgggtggat aacctttctg atgtgctgct agatttggtt tgccagtatt ttattgaggg 540
ttttcgcat gatgttcac agggatatta gcctgaaatt ttctgaatac caaagcctgg 600
cctgtctcca ccagggtttg gtatcaggat gatgctggcc tcataaaatg agttaggggg 660
gattccctct ttttctcttg tttggaatag tttcagaagg 700

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<210> 1150

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1150

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atgtgctgct agatttggtt tgccagtatt ttattgaggg ttttcgcatt gatgttcac 60
agggatatta gcctgaaatt ttctgaatac caaagcctgg cctgtctcca ccagggtttg 120
gtatcaggat gatgctggcc tcataaaatg agttaggggg gattccctct ttttctcttg 180
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ttgatctttt caaaaaacca cctcctggat tcatggattt tttgaagggt ttttcatgtc 600
tctatctcct tccaatctgc tctgatctta gttatttctt gtcttctgct agcttttgaa 660
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<210> 1151

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1151

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cctcctggat tcatggattt tttgaagggt ttttcatgtc tctatctcct tccaatctgc 120
tctgatctta gttatttctt gtcttctgct agcttttgaa tttgtttact cttgcttctc 180
tagttttaat tttgatgtta ggatggagat ttttagatatt tcctgctttc tcttgtgggc 240
atttagtgct ataaattttc ctctaaacac tgctttaaat gtgtcccagg gattctgtac 300

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gttgtgtcctt tgttttcatt ggtttcaaag aacatcttca tttctgcctt aatttcgtta 360
tttaccagct agtcattcag gagcagggtg ttcagtttcc atgtagttgt atggttttca 420
gtgagtttct taatcctgag tcctaatttg attgcactgt ggtatcgaga aactgtttgt 480
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agttctgatg tcttttatgt ccacttggtc cagagctgag ttttaagtcct gaatatcctt 660
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<210> 1152

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1152

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atgtgctgag gagtgtttta cttccaatta tgtgggtcaat tttagaacta gtgcaatgtg 60
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ccacttggtc cagagctgag ttttaagtcct gaatatcctt gtgaattttac tgtctcattg 180
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gcccttcttt gtcttttttg atctttgttg gtttaaagta tgttttatta gagactagga 420
ttgcaactcc tgcttttttt gctttccatt tgcttgataa atattcctcc atccctttat 480
tttgagccta tgtgtgtcct ttcacatgag atgggtctcc tgaatacagc acactgatgg 540
gtcttgactc attaccaat ttgccagtct gtcttttcac tgggggcattt agccagttta 600
catttaagggt taatattgtt atgtgttaat ttgatcctgt cattatgata ctagctgggtt 660
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<210> 1153

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1153

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ttcacatgag atgggtctcc tgaatacagc acactgatgg gtcttgactc attaccaat 60
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atgtgttaat ttgatcctgt cattatgata ctactgtggt attttgcttg ttagttgatg 180
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gtatctttgt ggtgttctct gtatttctct aattttaatg ttgacctgtc ttgctaggtt 660
ggggaagttc tcctggataa taccctgaag tgtgttttcc 700

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<210> 1154

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1154

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taaccgcacc tttctctctg gctgccctta acattttttc cttcatttca accttgggtga 60
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gtatttctct aatttttaag ttgacctgtc ttgctagggt ggggaagttc tcctggataa 180
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gaagttcttg tgcgtgtgtt ttcagctcca tcacgttatg ttcttctcta aactgggttat 480
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aacatgctcc tttagctcag atgagtttgt tattaccacac cttctgaaac ctacttttgt 600
caattcatcg aactcattct cttccagtt tttttctctt gctggcgagg agttgtgatg 660
ctttggagaa gaggtttttt ggtttttggg attttcagcg 700

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<210> 1155

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1155

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accttttttc aaggttctta gcttccttgc attgggttag aacatgctcc tttagctcag 60
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ctttccagtt tttttctctt gctggcgagg agttgtgatg ctttggagaa gaggtttttt 180
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aagcttcata ccagaagggc acctgccaga tgccagccag agctctcctg tatgaggtgt 480
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tgaagaggca gtctcaccct tagcaaagct caaatgctgt gctgggagat ctgtgctctt 600
cagagctgtc aggcaggggac ttttaagtct gatgaagctg caccacagc cgcctcttcc 660
tccagtgctc ctgtcccagg gagatggggg ttttatctgt 700

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<210> 1156

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1156

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gtttctccca gttaggatat atggagggtca gggagccagt tgaagaggca gtctcaccct 60
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gagatggggg ttttatctgt aagccccctga ttggggctgc tgcccttttt tcagaggtgc 240
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tttccagggg agtgaatggt tctgtctcgc tggcattcca ggtgccactg gggatatggaa 600
aaaaaaaaagt cctgcagcta actcagtgtc tcctgaatgg ctgcccagtt ttgtgcttga 660
aaccaggggc cctggtggtg taggcacgtg gtctgggggt 700

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<210> 1157

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1157

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ccaccaagcc caaccacttg gcttcctggc ttcagcccc tttccagggg agtgaatggt 60
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actcagtgtc tcctgaatgg ctgccagtt ttgtgcttga aaccagggc cctggtggtg 180
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tgcaccact gtccaccag tcccagttag atgaaccagg tacctcagtt ggaaatgcag 420
aatcaccca cttctgcat cgatcttgct gggagctgca gaccggagct gttcctattc 480
agccatcttg ccaactctct cttaagaatt ttttactata atctatttca tatgttctac 540

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tgtataacaat gccaatatgat gtttgctttt atttatttgc aatttagtga ctttaaaaaa 600
ttgagattttt tgtaaaagaa tatttctgtt cttatagcat tgcagtcaaa gaatatgggc 660
aataaaatfff ctgcttttgag aaatttgctg aggttggtttt 700

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<210> 1158

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1158

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cttaagaatt ttttactata atctatttca tatgttctac tgtataacaat gccaatatgat 60
gtttgctttt atttatttgc aatttagtga ctttaaaaaa ttgagatttt tgtaaaagaa 120
tatttctgtt cttatagcat tgcagtcaaa gaatatgggc aataaaatfff ctgcttttgag 180
aaatttgctg aggttggttt tatgactttt taagagtaat gtatagccaa tgtttatggg 240
ctatagtgtt taatgtctct cttaagccaa gtttattaat tattaataat agtcaatttc 300
tcttcttcat gaaagaaata cgttcacgat gtccattatt atcatgggtt tatcagtttt 360
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gaaattgtta cgaatgtttg tcttcattct gtattatcat agcaaaatag tccctctgatt 480
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ccatttgctt gtgtctatat ccactgctaa aaccaagtc cacgtttact gtgatccatt 600
ttctagacta ttgacatagg ttctactctg gtgttcttgc ctctgtcttt accaacaaca 660
atttattggt caccagcag ccaaagggaa tattttccag 700

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<210> 1159

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1159

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tgatttctta ttttatgtat ttttgcccat ctattttaat ccatttgctt gtgtctatat 60
ccactgctaa aaccaagtc cacgtttact gtgatccatt ttctagacta ttgacatagg 120
ttctactctg gtgttcttgc ctctgtcttt accaacaaca atttattggt caccagcag 180
ccaaagggaa tattttccag ccaaagccc tctcatgact tccctcacac ttatgcttct 240
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ccttttcatg atgaatgctt ttttttcatt gatgactaag tacacttgct acctcttcag 480
agaattcttc cctgacacct aaagtagcca ttccatcact aagtcattct tatgttttat 540
tttttcttca aagcatttat caatatctga aatattcttg attgtttatt cttttactca 600
gtaaaagcga ttaccttgta tgagttgttg actgttatat tgctgacatc tgtgaccctg 660
cacatctcaa gcaagtgcag tgggagtggt agttgtgata 700

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<210> 1160

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1160

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aaagtagcca ttccatcact aagtcattct tatgttttat tttttcttca aagcatttat 60
caatatctga aatattcttg attgtttatt cttttactca gtaaaagcga ttaccttgta 120
tgagttgttg actgttatat tgctgacatc tgtgaccctg cacatctcaa gcaagtgcag 180
tgggagtggt agttgtgata aagtcaagag tcaggcctga tatagagaat tgtctgtcat 240
taaaaggagg ttttccaacc ttggagagtc agaggaaatg gagactggcc tagctatgtc 300
tgaaggtgaa ataaatatat ttataaacta gagccacctc tcagttatct gtatgatccc 360
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aatgaatcaa agtatactga ctgattgctg tatgcctctg tcttaggtgc tatgggaaat 480
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gccatttgaa gagttaaata ataaccacag atttctcaag aaatctagat gtgctgaaag 600
aaggaggagg ttctcccaa ctggatagtt ggggaaggtt tccaaaaagg gacaatatta 660

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gctacatctt gaagaagtgg ttggaaaaag gaaggatgtg

700

<210> 1161

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1161

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gcccatccta caaggatgct acatctagca ggggatatta gccatttgaa gagttaaata 60
ataaccacag atttctcaag aaatctagat gtgctgaaag aaggaggaggc ttctctccaa 120
ctggatagtt ggggaagggt tccaaaaagg gacaatatta gctacatctt gaagaagtgg 180
ttggaaaaag gaaggatgtg gtttgggtgg actagagagt gggagtaact gataaagatg 240
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caggaagaaa gaattatagt tagaagtgtc tcaagaagtt ctattctgca ttaagacaag 480
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tgcttttacc ccatctgcct cccccaccc ccacctctc tcaatgtggg ctactctca 600
cccaggctgg agtgacgtgg tgtgatcaca gctcattata gcctcaaact cctgggctca 660
agcagtcctt cctcctcagc ctcccaagta gttacaacta

```

700

<210> 1162

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1162

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aaaactccat tgatgcaaga tgtctccttt tgtctttttc tgcttttacc ccatctgcct 60
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tgtgatcaca gctcattata gcctcaaact cctgggctca agcagtcctt cctcctcagc 180
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ggggataagt agactacttt gatgccttca gtgttgaact catgggggtc tgggtagcca 660
ggggcattat ccaacatcaa aaaagctttt aaaggcaatc

```

700

<210> 1163

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1163

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gcagtctgaa ccctggctag catgtcagat atggcagaga tattagagtt ttccaaaggg 60
gaattctgca tcctggatag ctgaaataga gactatgttt ggggataagt agactacttt 120
gatgccttca gtgttgaaact catgggggttc tgggtagcca ggggcattat ccaacatcaa 180
aaaagctttt aaaggcaatc ccttactcac aaggtagctc ctgacctcag ggacaaagca 240
ttgatggaa caatacagaa aaaggatttt catcatccag gccttcttct acagctgaaa 300
gactggcagc tggatataca ctgttccttg caaggattgg gagttagcag ctttatggat 360
aagggaatg ctagtgcttg cttctgttcc ttactaataa atatcgtttg tgacactttt 420
tttcagaata gggcattttt gtctgtatta aaaacctgtt gaggcaggta tcctttgtcc 480
tcaattatct tcttaatgat acctgggaac ctatctcctg cctttgggtc gcagaaactg 540
cttctcctat taccttgata tttttaaggc caaacctctt gctaaaatta tcaaaccatc 600
ctttgctggc attaaatttt tcagcttttag ctccctcacc ttctattttg tttgtttatt 660
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```

700

<210> 1164
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1164
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tcagcttttag ctccttcacc ttcctatttg tttgtttatt tatttaagac agaactctgc 180
tctgtctccc aggctggagt gcagtgggtg aatcttggct aactgcaact tccacctccc 240
aggttcaagt gattcttctg ctgcatectc ctgaataacct gggattacag gcatgtgcca 300
caatgcccag ctaatttttg tatttttagt agagatgggg tttcaccatg ttggccaggc 360
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ggattacagc catgagccag tgtacctggc ctcttcacct tccttttggt ttatgttgtc 480
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gcaatcctct acccacataa agctgcaatt tcaatatgag ataaaaagat atttcacaaa 600
aaaatgcaag gtttttggac atgggtgacat agctgtggtg atggcttcat aaatttcatt 660
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```

<210> 1165
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1165
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agctgcaatt tcaatatgag ataaaaagat atttcacaaa aaaatgcaag gtttttggac 120
atgggtgacat agctgtgggtg atggcttcat aaatttcatt ttctttttta acaatgggtcc 180
ttacactaga ttcattttatc ttgaaatggg ggacacactg cagctgcaga cctcaatgta 240
cagtacatat taatggattc agtttttctt aatgtcatga cttttctttg cttcttggga 300
gcactttcca gcatggttgg aaagttgagg cctctttcaa ctcactactc tttcttcctg 360
ggctccctctc tatggaaaac aggtaatgca aatttcacaaa ctgtgcacta tggttccaac 420
catagtttcc tttggccact tgccaaagtg ggacttctca ctaatgggag taaaaatgaa 480
ggttttatcc agattatcag taggatcaca ctgttctgtc attcggtttg ctagacttgt 540
ttcatataac tcagtttcac caatatagca cttttccttg ggcttttctg aaaatatcac 600
ttgtacaaga tttttgtgtg tgagcagatt cgtgagaaga cttgcggtgc caaatgtgtt 660
ttatgttgcc atgggtgcttg ctcttagctt catctgtcat 700
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<210> 1166
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1166
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caatatagca cttttccttg ggcttttctg aaaatatcac ttgtacaaga tttttgtgtg 120
tgagcagatt cgtgagaaga cttgcggtgc caaatgtgtt ttatgttgcc atgggtgcttg 180
ctcttagctt catctgtcat gagggttttg tttctcatag tagtgttttc tcctaccaa 240
ttccactaca catcctctcc tacccttttg taaaccctgc cccaaacaaa cagagcaatt 300
aatctagaac tgtgttgtcc agtacagtag ccattagcca tatatggcta ttttaattaa 360
tatggccaat taattaaaat taaataaaat tagaaattta aaactctcag ttgccgtaac 420
catatttcag gtgttcaata gccacatgtg ctatgagctt ctacattgga cagtgcagat 480
atacaacatt ctgattacca cagaaagttc tattggataa tgctaactca gaataatact 540
gccaaattcc agcaggacta tcaaggtaga tgtaagtact ccaaggcaca ttccatatcac 600
gttcctgtt gccactatag aaagtataac ttcttcatta ttccagttgc ccatctggta 660
actattagat caggcacacg tgcacatgca cgcacacaca 700
```

<210> 1167
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1167

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cagaaagttc tattggataa tgctaatacta gaataatact gccaaattcc agcaggacta 60
tcaaggtaga tgtaagtact ccaaggcaca ttccatcac gttccctggt gccactatag 120
aaagtataac ttcttcatta ttccagttgc ccatctggta actattagat caggcacacg 180
tgcacatgca cgcacacaca cacacacaga cacacacaca cacacattaa ttcttacaga 240
ctggatattc taaattttaca agaaggagga aaagcatttt cctaattgct ccaaaatttt 300
ctctacccat aataaagcga gtaccttaca ttattttgca aagaagtccc tcactttcaa 360
attgtgcccc cttgggcctg gcataaataa gaaaacaaac ccatttttga agctatctca 420
tttaatgaaa ggtcattcag ctataaaagg atgcaaagaa agtttttctt atctattcct 480
tttaagaccc taattatggt ctcacctatt cccagttcc tgctgagtct ctgaaggtag 540
gagtgggaag tcttgcattg gaaaggcctt cttaggtgca gtagtatttg ttattttaca 600
ccttaacctc aaaggaagtc cttctttttc ttgggatgga gcactttagt tctcataact 660
cttctctgaa gtcattgcag agtgggtgga ggaaggtag 700

```

<210> 1168

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1168

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ctcacctatt cccagttcc tgctgagtct ctgaaggtag gagtgggaag tcttgcattg 60
gaaaggcctt cttagggtgca gtagtatttg ttattttaca ccttaacctc aaaggaagtc 120
cttctttttc ttgggatgga gcactttagt tctcataact cttctctgaa gtcattgcag 180
agtgggtgga ggaaggtag ggtgatgctt tgggtctgaat tttcttggtt aacttacaag 240
tggatctatc aaaaccagag ggttttttct taaccacacc accccagaa ttccatttcc 300
tgcagatgta gcagcagcac gtctagccat cttggcccag gcctctggac catgccttgg 360
gagggtctcg ccctctgctt tgagttccat tagaacttct ccagtggaaa gagtgagtta 420
ctttgccctg gcctgggtggg caggcctttt cctctctgac ttggctaaat gaaatgggat 480
ttaaggtagc tctccctgtg ggtaaaagac attttgcctt atgctagaga aaaagggagg 540
tagtggtttc atctgccact actacctatg gatgtgaaca gaacctctgc tcctgatgca 600
gacccctggc cctttcccag ctcctattct gttttgactt ctgcacaccc ctttttctga 660
ccctgatact atcccagatc attattcttc ctctagtcct 700

```

<210> 1169

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1169

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ggtaaaagac attttgcctt atgctagaga aaaagggagg tagtggtttc atctgccact 60
actacctatg gatgtgaaca gaacctctgc tcctgatgca gacccctggc cctttcccag 120
ctcctattct gttttgactt ctgcacaccc ctttttctga ccctgatact atcccagatc 180
attattcttc ctctagtcct acccttggtt tagccagtgc ccagaccca aggtgagcta 240
agggacagtc tctcaaagtc tgggcagaga gcctcaggaa gttgggggtat ggctgagaga 300
agaggggagt gcagggggat aggcatacag actctgaatg cttgaccttc cttattttct 360
gtctttgaac ttatttcaac agaggaaccc ttatcatcta gccctgtggc tctctagtac 420
cttgtagctg cttcctgtcc cataattgtg agcgttttagc tgtggtgcag gtgagagacc 480
cattctccca ccctcaggag ccaggaaggc ccaccagtat ggcagggagg cctaggcaga 540
gatatacagg agagcagaga cgtctggagc taggtcaccg gtggtcagca gggcctcctg 600
cagagggagc agcctccttt ggcccttgct tgtctgactt ctaatgatcc tgtaaaaatt 660
agttttgttt tttaagcacc ccaatgatgc atgaatacac 700

```

<210> 1170

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1170

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ccaggaaggc ccaccagtat ggcagggagg cctaggcaga gatatacagg agagcagaga 60
cgtctggagc taggtcaccg gtggtcagca gggcctcctg cagagggagc agcctccttt 120
ggcctttgct tgtctgactt ctaatgatcc tgtaaaaatt agttttgttt ttttaagcacc 180
ccaatgatgc atgaatacac tcttttgtca aatcttaaaa agagaaaatc cttttttttt 240
tttaaataaa aaagaaagt atttagtctt aagattgtaa aactgtaaag ttaaataaag 300
tggccgcctt ttggctgccc tgatcccat cccctactcc agcttctgca agtaaccaca 360
attctcagct aggtgtatat ccttcagac gtctttctat acatttactt ttccttattg 420
tttaaaccaa tttgagttgt cttttctctt acttaaatct gaaagtgttc ctaaccaatt 480
taataacaat tgcctcagag ctgtttattg aaaggttctt cgtttcatac tgacataaaa 540
cgccagttgt gttagaccct ggccaggcct gcttcctcaa agaccagag taaacatgaa 600
ctgtaaaactc caaaactgta caactagttt ttaaagaaag attgccaag atactggcac 660
aagacttttt aaggcctagg atttgcata tagacctatg 700

```

<210> 1171

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1171

```

ctgtttattg aaaggttctt cgtttcatac tgacataaaa cgccagttgt gttagaccct 60
ggccaggcct gcttcctcaa agaccagag taaacatgaa ctgtaaaactc caaaactgta 120
caactagttt ttaaagaaag attgccaag atactggcac aagacttttt aaggcctagg 180
atttgcata tagacctatg taatgtggct tactgaagag cagagttctt gctttctttg 240
gtagtgtaa ctctttctgg tgctcacaca ggaaggactg taaagggcag tgagggtctg 300
aatctggact cttctgacat gagggacatc tcattttatg caggctgcca agaccattga 360
acttgagga tgcctttgtg agaaagcaag aaaggcagtg gggagctgca gccccacat 420
gcaccttcat ctacggaaca tcctttgtac tttttttttt aatattgtac agagctgttt 480
ttttttatta tactttaagt tttagggtac atgtgcacaa catgcagggt agttacatat 540
gtatacatgt gccatgttgg tgtgctgcac ccattaactc gtcatttaac attaggtata 600
tctcctaatt ctatccctcc ccgctcccc ccaccacaac agccccagtg tgtgatgttc 660
cccttcctgt gaccatgtgt tctcattgtt cagttccac 700

```

<210> 1172

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1172

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tttagggtag atgtgcacaa catgcagggt agttacatat gtatacatgt gccatgttgg 60
tgtgctgcac ccattaactc gtcatttaac attaggtata tctcctaatt ctatccctcc 120
ccgctcccc ccaccacaac agccccagtg tgtgatgttc cccttcctgt gaccatgtgt 180
tctcattgtt cagttccac ctatgagtga gaacatacgg tgtttggttt tttgtccttg 240
cgatnntttg ctnagaatga tggtttccag cttcatccat gtccctacaa aggacatgaa 300
ctcatccttt tttatggctg catagtattc catggnttat atgtgccaca ttttcttaat 360
ccagtcnact attgtggac atttgggttg ntccaagtc tttgctattg tgantagtgc 420
cacantaac atacgtgtgc atgtgtcttt atagcagnat gatttataat cctttgggta 480
tataccagat aatgggatgg ctgggtcaaa tggattttct agttcnagat ccntgagnaa 540
tcnccacact gncttcacaa atgggtgaac tantttacan tnccaccaac agtgtaaaan 600
tgttcctatt tcnccacatc cncnccagca cctgttgttt cctnactttt naatnancac 660
nnttnnaact ggtgtgagat ggtatctcat tgtggttttg 700

```

<210> 1173

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1173
ctgggtcaaa tgggtatttct agttcnagat centgagnaa tcnccacact gncttccaca 60
atgggtgaac tantttacan tnccaccaac agtgtaaaan tgttcctatt tcnccacatc 120
cncnccagca cctggttggtt cctnactttt naatnancac nnttnnaact ggtgtgagat 180
ggtatctcat tgtggttttg atttgcattt ctctgatgcc agtgatgatg agcatttttc 240
atgtgtcttt tggctgtgta aatatcttct tttgagaagt gtctgttcat atccttcgcc 300
cactttttga tgggtttttt ttcttgtaaa tttgagttca ttgtagattc tggatattag 360
ccctttgtca gatgaataga ttgcaaaaat tttctcccat tctgtaggtt gcctgttcac 420
tctgatggta gtttcttttg ctgtgcagaa gctcttttagt ttaattagat cccatttgtc 480
aattttggct tttgttgcca ttgcttttgg tgttttagac atgaagtcct tgcccatgtc 540
tatgtcctga atggtattgc ctaggttttc ttctagggtt tttatgggtt cagggtctaac 600
atgtaagtct ttaatccatc ttgaattaat ttttgtataa ggtgtaagga agggatccag 660
tttcagcttt ctacatatgg ctaggccagtt ttcccagcac 700
```

<210> 1174
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1174
ttgcttttgg tgttttagac atgaagtcct tgcccatgtc tatgtcctga atggtattgc 60
ctagggtttc ttctagggtt tttatgggtt cagggtctaac atgtaagtct ttaatccatc 120
ttgaattaat ttttgtataa ggtgtaagga agggatccag tttcagcttt ctacatatgg 180
ctagccagtt ttcccagcac catttattaa atagggaatc gtttcccat ttcttgtttt 240
tgtcaggttt gtcaaagatc aggtcgttgt agatatgcgg cattatttct gagggctctg 300
ttcggttcca ttggtctata tctctgtttt ggtaccagta ccagctgtgt ttggttactg 360
tagccttgta gtatagttag aagttaggta gcatgatgct ccagctttgt ttttttggct 420
taggattgac tctgcaatgt gggctctttt ttggttccat atgaacttga aagtagtttt 480
ttccaattct gtgaagaaag tcattggttag cttgatgggg atggcattga atctataaat 540
taccttgggc agtatggcca ttttcatgat attggttctt cctacccatg agcatggaat 600
gttcttccgt ttgtttgtat cctcttttat ttcatgagc agtggttagt agttctcctt 660
gaagaggtcc ttcattgtccc ttgtaagttg gattcctagg 700
```

<210> 1175
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1175
tcattggtag cttgatgggg atggcattga atctataaat taccttgggc agtatggcca 60
ttttcatgat attggttctt cctacccatg agcatggaat gttcttccgt ttgtttgtat 120
cctcttttat ttcattgagc agtggttagt agttctcctt gaagaggtcc ttcattgtccc 180
ttgtaagttg gattcctagg tattttattc tctttgaagc aattgtgaat gggagttcac 240
tcattgtttg gctctctggt tgtgtgttat tgggtataaa gaatgcttgt gatttttcta 300
cattgatatt gtatcctgag actttgctga agttgcttat cagcttaagg agattttggg 360
ctgagacaat ggggttttct agatatacaa tcatgtcacc tgcaaacagg gacaatttca 420
cttctctttt tcctaaatga atacccttta tttccttctc ctgcctgatt gccctggcca 480
gaacttccaa cactatgttg aataggagtg gtgagagagg gcatccctgt cttgtgccag 540
ttttcaaagg gaatgcttcc agtttttgcc cattcagtat gatattagct gtgggtttgt 600
catagatagc tcttattatt ttgagatatg tcccatcaat acctaattta ttgagagttt 660
ttagcatgaa ggggttggtga attttgtcaa aggccttttc 700
```

<210> 1176
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1176

aataggagtg	gtgagagagg	gcacccctgt	cttgtgccag	ttttcaaagg	gaatgcttcc	60
agtttttgcc	cattcagtat	gatattagct	gtgggtttgt	catagatagc	tcttattatt	120
ttgagatatg	tcccatcaat	acctaattta	ttgagagtgt	ttagcatgaa	gggttggtga	180
atthttgtcaa	aggccttttc	tgcactctgt	gagataatca	tattgttttt	gtcattgggt	240
ctgtttatat	gctggattac	atttattgat	tttcatatgt	tgaaccagcc	ttgcatccta	300
gggatgaagc	ccacttgatc	atggtggata	agctttttga	tgtgctactg	gatttgattt	360
gccagtattt	tattgaggat	ttttgcatcg	atgttcatca	gggatattgg	tctaaaattc	420
tctttttttg	ttgtgtctct	gccaggcttt	ggtgtcagga	tgatgctggc	ctcataaaat	480
gagttagggg	ggattccctc	tttttctatt	gattggaata	gtttcagaag	gaatgggtacc	540
agctcctcct	tgtacctctg	gtggaattcg	gctgtgaatc	catctgggtc	tggacttttt	600
ttgtttggta	agctattaat	tactgcctca	atttcagagc	ctgttattgg	tctattcaga	660
gattcagctt	cttcctgggt	tagtcttggg	agagtgtatg			700

<210> 1177
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1177

tttttctatt	gattggaata	gtttcagaag	gaatgggtacc	agctcctcct	tgtacctctg	60
gtggaattcg	gctgtgaatc	catctgggtc	tggacttttt	ttgtttggta	agctattaat	120
tactgcctca	atttcagagc	ctgttattgg	tctattcaga	gattcagctt	cttcctgggt	180
tagtcttggg	agagtgtatg	tgtcgaggaa	tttatccatt	tcttcagat	tttctagttt	240
atthtgcata	agggtgttat	agtattctct	ctcttttttt	tttttttttt	tttttgagac	300
agagtctcac	tctgtcacc	aggctgtaga	gcagtgggtc	aatcttggct	cattgaaacc	360
tccacctccc	aggttcaagc	aattcttgtg	cctcagcctc	tggagtagct	gagattacag	420
gcacacactc	ccatgcccgg	ataatttttt	tttttttttt	tttttttaag	tagagatggg	480
gtttcaccat	gttggccagg	ctgatctcga	actcctgata	tcaagtgtat	tgccgtgtct	540
ccaaagtgtc	gggattacaa	gcatagagcca	ctgcgcctgg	ccggtttctg	gtataattct	600
tgatctttatt	aaggatgctt	cctagtagtc	ctagtagaca	aagaattttt	ctcataaaacg	660
gatgtttctg	ttgagatgat	catctttaga	ttaaccaatt			700

<210> 1178
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1178

ctgatctcga	actcctgata	tcaagtgtat	tgccctgtctc	ccaaagtgtc	gggattacaa	60
gcatagagcca	ctgcgcctgg	ccggtttctg	gtataattct	tgatcttatt	aaggatgctt	120
cctagtagtc	ctagtagaca	aagaattttt	ctcataaaacg	gatgtttctg	ttgagatgat	180
catctttaga	ttaaccaatt	attgtggaga	agtacattgg	tagattttcc	ataatcaaat	240
ttgcattcct	gggaatgacc	ctgcttgatc	atgatctgtt	attcttttaa	ttcaatttgg	300
taatgtctta	ttcctactga	gttctacctc	agtaaaaaatt	ttcaccaaaa	ctgtgcctag	360
cctccaggct	gggtggcatg	ttccttctct	atgcaccgag	agcaccatgt	ctgtcttttt	420
ctaatacctc	tctagttttg	tacttacaat	ctggtattat	aattacatgt	ctccctcagt	480
ggaatatgcc	attgttgaga	gacagacttt	tgtcttcttc	ctaattgtat	cctcagtgcc	540
cagataaggc	ctgattttaa	gcaggccttt	ggaaaaatag	tctagtctgt	gcgaaaatgc	600
ttaccattcc	cctgacaggg	acaagtgtcca	agtccccata	ctagttagc	tttgtgcgca	660
gagccctggc	cttgttggtc	cagcttatca	tgacagacaag			700

<210> 1179
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1179

```

gacagacttt tgtcttcttc ctaattgtat cctcagtgcc cagataaggc ctgatttaaa 60
gcaggccttt ggaaaatatg tctagtctgt gcgaaaatgc ttaccattcc cctgacaggg 120
acaagtgcc agtccccata ctagtttagc tttgtgcgca gagccctggc cttgttggtc 180
cagcttatca tgcagacaag agccatgtca atactggtgg acccgccttg ctgtgggagc 240
tggagagcca gatatgctca cagctccttc tcagttacac ctaagctgcc tgtggggagc 300
tcaggactct gcatgcgcct ccacatcttc aggccgaaga ttctccatca cttccaagaa 360
agcacgtca aatgtgaaag cagataaatc attagcacc tgtgctgggg cttgttactg 420
ttcaacaggg gttctctttc tgggaaccta agatacttca tgtgtacctt agcagcagct 480
aatgggggtg gatggaagtg gtcaccaggc attccagtca ccagggatg cctaggtccc 540
tttaccagga agcagcgaga gaggcataat ggacacaact ctgtctttct tatagaagac 600
acctgtttca ggccaggcct ttatcttgct gaagctgacc ccactgaagg gtcattgtgc 660
tttggttaga aaaccactgc aaccaaagcc atccagtgc          700
  
```

<210> 1180
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1180

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gtcaccaggc attccagtca ccagggatg cctaggtccc tttaccagga agcagcgaga 60
gaggcataat ggacacaact ctgtctttct tatagaagac acctgtttca ggccaggcct 120
ttatcttgct gaagctgacc ccactgaagg gtcattgtgc tttggttaga aaaccactgc 180
aaccaaagcc atccagtgc aaagtagtgg gatccctcat actggagcag gcagacacct 240
actgtcccag tagtctcatg tcagaaacaa cactcaacat acattgtctt ttgtgccag 300
cttgggagct ggtctgtgag gactgagggg tcccaggtag cttgagttct tgtaaccata 360
cagtggatgg acacagacac agcaccatcc tagggctggc agatactcca tgctcatcgg 420
tgccagcctg ctcatcaaca gaatcaccca cctccattct gtcaccacc aggtatttac 480
tgagactctt ctacatgaca tgtgccattg agggtagctg gagaatagca gcagacntat 540
aatacaaaaag cccctgccct tgaggggggc tacctggttt ccagggtgcac cccagttta 600
tctcatgggt taggtggcac tatttatgac tcaccaagtt tgtgacagat gatcagtgtc 660
ttccttctgt ggctgcagtt tatctgtgca cagatgctgg          700
  
```

<210> 1181
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1181

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tgtgccattg agggtagctg gagaatagca gcagacntat aatacaaaaag cccctgccct 60
tgaggggggc tacctggttt ccagggtgcac cccagttta tctcatgggt taggtggcac 120
tatttatgac tcaccaagtt tgtgacagat gatcagtgtc ttccttctgt ggctgcagtt 180
tatctgtgca cagatgctgg catccttcaa tccagggtctc aggtttgggt cagggttag 240
cttgaggcag taggaagaac agagctctct ggatgggtta ggcaagcttg tccaacccat 300
gactcacagg ctgtatacta ccatgacag ctttgaatgt gacccaacat aaattggtaa 360
actttcctaa aacattatga gattttttgt tttctttttt tttttttttt tttttttttt 420
  
```

```

ctcatcagct attgttagtg ttagtgaatt ttatgtgtgg cccaagacaa ttcttcttcc 480
aaagtggccc agggaaacca aaagattgga catctctggg ttagagattc agttgggttc 540
ttcaacttca gttcttggtg tacagggatg gcctctgact tgctccacat cctcaatccg 600
gccaccacct ggttttctgc acacaggaaa cacttggaac tggttggtga aacaatgagt 660
gagagccaag tgccaagtgc tgggctaacc tcgctcacag 700

```

<210> 1182

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1182

```

aaagattgga catctctggg ttagagattc agttgggttc ttcaacttca gttcttggtg 60
tacagggatg gcctctgact tgctccacat cctcaatccg gccaccacct ggttttctgc 120
acacaggaaa cacttggaac tggttggtga aacaatgagt gagagccaag tgccaagtgc 180
tgggctaacc tcgctcacag ccaattaggc ataaagtaac cagggtgta agagaagtgg 240
aaacagagat gcagatgctc caaggaggcc agacacttgc cctcctctct tggtagtcc 300
tgtgctcaga aggggcacaa cggagacgtg cttgggctgt ccatacggca gtctctctgc 360
ggcagtggag aaagctctgg tctgtgtgta tagtgtgcat gcaggggagt gtgcatatgt 420
gtgtatatgt gcctacatgc acatgcatgt tcacattggc tctgggtccc acaacaacac 480
cattataggg ccctgcttag ccaccttttc tgcagtgggg gggggggagg ggaaaggggt 540
tcctgactgc tgtgtcactt ttggatagtc actgtttttt gtgtgcagca ctcctacctc 600
acctacccca cccctagagg caggcagggt gatgactgaa gcatcaggcc tgtggtttct 660
gtaacaggaa gtgatttaga tgctgaaagc taattttaga 700

```

<210> 1183

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1183

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ccatcctttc tgcagtgggg gggggggagg ggaaaggggt tcctgactgc tgtgtcactt 60
ttggatagtc actgtttttt gtgtgcagca ctcctacctc acctacccca cccctagagg 120
caggcagggt gatgactgaa gcatcaggcc tgtggtttct gtaacaggaa gtgatttaga 180
tgctgaaagc taattttaga tgaaatgata tggggttttt aaagaatctt tcagggttgg 240
tttcaggctc aaggcttagc cccctgctcc tcttgccctac aggggacagg cagtttccca 300
ttgtccttgt cactgtctng ctgggtgaac tcatgcctag ctgggcaggg ttcttaggta 360
gaaagccagt gctgattttt cctggatttc agaattgtta agtcattgtt tttggccttg 420
aacaccagag tcctgtgact cagcacaggc ctggctctag gccaagcaga cacaggacct 480
cttatccctg gaangggact gcctggaggc tccaaggat cttgttagga cagagatgtc 540
caccctcacc caggctgagg cctgggccag aggtcagatg aggcctcttg gccaaaaaaa 600
gtatcatctt ggggtggcaga cacttaggtg gggcctcttc tcccagttag ccctgtcctg 660
agcctcttag caggggcggc tttctgacct aggtgccaca 700

```

<210> 1184

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1184

```

gcctggaggc tccaaggat cttgttagga cagagatgtc caccctcacc caggctgagg 60
cctgggccag aggtcagatg aggcctcttg gccaaaaaaa gtatcatctt ggggtggcaga 120
cacttaggtg gggcctcttc tcccagttag ccctgtcctg agcctcttag caggggcggc 180
tttctgacct aggtgccaca ctaaggatcc catcctgatt gagcctgtga gattgggact 240

```

```

cctgatagca gcagacacaa aagaaactga ggagtaggca cagaactctg agagtcctgt 300
cctcctgggtg tcgggggtccc actgggtggg gaccttggag cctcatgggt tctgtctctg 360
ccaaggcctg agcacaggaa atagaagggt gggcctccct ggtcacctct gcaagggtct 420
tcaaagccca ttttaatctg ttgtcccatt ccctagggtc tccacagcac ccctatacca 480
gagaatgctg ctcccattat cagagaagca gccaaatata agcatgctaa gagagatgtc 540
ccagggttac atagcttcac tcaggcagca ttggagccag ccaggccagg agcttaccct 600
gtcccatact accgatggga tgcccagcat tcagggaata gagctcactc tgcatacttc 660
atctagacag cagccagcct catgaacccc taccacaaac 700

```

<210> 1185

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1185

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cagagaagca gccaaatata agcatgctaa gagagatgtc ccagggttac atagcttcac 60
tcaggcagca ttggagccag ccaggccagg agcttaccct gtcccatact accgatggga 120
tgcccagcat tcagggaata gagctcactc tgcatacttc atctagacag cagccagcct 180
catgaacccc taccacaaac ctgggacctc tggaaagcca agtataagtc tctgccagtt 240
cttagtccac ccttggtctg ctttgtgggt aggtatagct tgggagatga ggcgaggcct 300
ataggtcttg gttggtacac aagaagaaac acttctgcct agagaggctg tcgacagaca 360
tttccaggga cacacagcag acagccttca tggccttcat gaccagtctg tcccttgttg 420
aagacaagta ggacaggaca gatgattagc ccagagccaa aactgagctc aaaccgcaga 480
agaggagagc attctcacia aagctccagt gtttgagca caatgacgga ggtagatggg 540
gtgagctaag ccctgttttg agagttccat agaagggtgc tttgacctat tttcaagggc 600
tgtggtggta ggaggaattt ttggccacat cataaagagt tttgtggcca cctctgatat 660
acctagctca ggaagtgtga attttccatg attaggttat 700

```

<210> 1186

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1186

```

aagctccagt gtttgcagca caatgacgga ggtagatggg gtgagctaag ccctgttttg 60
agagttccat agaagggtgc tttgacctat tttcaagggc tgtggtggta ggaggaattt 120
ttggccacat cataaagagt tttgtggcca cctctgatat acctagctca ggaagtgtga 180
attttccatg attaggttat tagtcaccaa agtgattgct gccccagac cctggccccct 240
gtgctgcagg aggctgacag agatgccctc ccagcactgc agccctgcct cccagctgc 300
aggccagaag ccaaggaggc cctgagtact gatgttgggc cctctgggtg cttcccttgt 360
ttgtggaacc ccacagcccc attccaactt cttgagcact ttgcctacct caggagattt 420
aactggggca agaaatcctg taagatctca acaaacggac gtgggtagaa tagctcccag 480
aaaatctact caagggaaga cccatgtact ccaaggatc aataatgggt agggactcag 540
tctgtaactt tctaggacag tttcatttca ttttaaaaat ttaagatgaa agaatttatt 600
aatggaagta gttcatgaag cactttcagg aaaccacaca ggactcagag ctccctgcct 660
ttagaaagac aggactgtgt cagcctgtgt ggcattcaca 700

```

<210> 1187

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1187

```

cccatgtact ccaaggatc aataatgggt agggactcag tctgtaactt tctaggacag 60

```

```

tttcatttca ttttaaaaaa ttaagatgaa agaatttatt aatggaagta gttcatgaag 120
cacttttcagg aaaccacaca ggactcagag ctcccttgcc ttagaaagac aggactgtgt 180
cagcctgtgt ggcatccaca cctggattcc caggggtggc ttcctttaga aagggagaa 240
tagttgcagc ccatctctct gtgggaatct cacctggtga gccccttctc ccaaactcct 300
agagtgtctc accccagctc ctgggctcga ctggtgcctc tgaggagcgt acctgctgtt 360
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ccaaagccat gggggcagtc gcatgctttg cttgtcagtt ggtggcattt aggtggcatt 480
aggaatgttt gttgtttcta attatttgtt tgtttgtttg tttatttgaa agtaatccct 540
ctttttccaa aggcctgcat gctgccttga ttctggagga gccagggatt ggcccaatga 600
cccaaagtgt tggaagtctt taagggccct tttcatgccc gtgaagtcac agaagtaggt 660
aatcaccacac ctaccctccc caggtaccgc atatngatgt 700

```

<210> 1188

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1188

```

attatttgtt tgtttgtttg tttatttgaa agtaatccct ctttttccaa aggcctgcat 60
gctgccttga ttctggagga gccagggatt ggcccaatga ccaaagtgt tggaagtctt 120
taagggccct tttcatgccc gtgaagtcac agaagtaggt aatcaccacac ctaccctccc 180
caggtaccgc atatngatgt gggtcagagg gggctgagaa ataactcagc ctcaaagcct 240
tagaccgtct tctcagggtt taaccgtcat ctcaggatag acaattcagg aagaggatgc 300
cttgccacac atgaggangt gggagtggca aatgagcagg cgttgcattc agggcaggtt 360
tagaggaagg tttggcaggt gaatgatggt ttgcgtacaa actacagaca agaaattgag 420
aggacaactg ggtatagggt aggtgactac tctgccctca gaaaagtgga agtctgagtt 480
catgggggaa tgcctcttaa ataacacaga tgggcaaact ccagacatta gtgaaacctt 540
cttcgttaga cattcttttc aggggtttct catacttccc caatcacctt aatcatcagt 600
gctgaccaca actgatacct ttctgggtga ctcaaggcca gtgctcaggc gggccaccgt 660
gtgttgaatc cagctgaaga tgcaggtgca gctggaggaa 700

```

<210> 1189

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1189

```

ataacacaga tgggcaaact ccagacatta gtgaaacctt cttcgttaga cattcttttc 60
aggggtttct catacttccc caatcacctt aatcatcagt gctgaccaca actgatacct 120
ttctgggtga ctcaaggcca gtgctcaggc gggccaccgt gtgttgaatc cagctgaaga 180
tgcaggtgca gctggaggaa ggactagccc tgaatgggca ccaaccccaa aagaatccac 240
tgactgtcac ttaggcaaaa gttccgcagt cacattgctt ttggatcctc cgcctcactc 300
ttcctgagag gtatttggtg caaatagccg gacctctgga gtgggagaca cctgactcca 360
gttcctgcca cttcctcctt cctgctagtt gccagacctt ggacagtttg gtaactttga 420
atttgccctt gtcaaattna ttcatttact catgactca ctcactcatt cactcaacat 480
aaattcctga gtagcttcca tgtgccaggt actagtttag gtacttggga gtgatcagta 540
gaggaatatag gtaagtgttc cgccttcaga aatgtgtatc atggcatggg aggtacaaaa 600
taagcaacaa agctgttaac aagttagaaa gtggtgaagt ctatgggaaa aaacagagca 660
agataagcag tgcttgaggt ggtggtagaa ggggctgcaa 700

```

<210> 1190
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1190
 tgtgccaggt actagtttag gtacttggga gtgatcagta gaggaatatag gtaagtgttc 60
 cgccttcaga aatgtgtatc atggcatggg aggtacaaaa taagcaacaa agctgttaac 120
 aagttagaaa gtggtaagtg ctatgggaaa aaacagagca agataagcag tgcttggagt 180
 ggtggttagaa ggggctgcaa tcttaaacag tatggacatg gcagatctct gagaaaataa 240
 catctgagca aagacttgaa ggtgttgaa ggcgttagccc cttttaggca caggggaagag 300
 ccagcgcaaa ggctctgagg ctggtgtgtt caaggagcaa catggaggca agtgtggctg 360
 gagcagaatg agtgagcaga gagggtcaca ggggaaaaga aagtgatgga aagataaagg 420
 ggaagatgat gcggaccttg caggccactg tgggaactat ggcttttctg tggtaaaaca 480
 cagaactcca agagggtttt gaacagaggg ctatgatctg actagagcat aacaggatca 540
 ctctggctgc tgagttgaga atagattata gagcagggaa caggtagaag cagggaaatt 600
 agctaggctt ccactgaagt atattctaga agataatagt ggctggaatc atcatggatt 660
 cagtggaagt ggggagaaat gagaaatgtt ggattctgga 700

<210> 1191
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1191
 gaacagaggg ctatgatctg actagagcat aacaggatca ctctggctgc tgagttgaga 60
 atagattata gagcagggaa caggtagaag cagggaaatt agctaggctt ccactgaagt 120
 atattctaga agataatagt ggctggaatc atcatggatt cagtggaagt ggggagaaat 180
 gagaaatgtt ggattctgga cctgttttgg aagaagaatc atcagcattt gctgatggct 240
 tagatgttga gtatgagaga gagatcagag ttaaggatga ctccaagggt ttttctctga 300
 gcagctggaa agaaggattt gacctcaact gagacaagaa gactatatgt ggggcaggca 360
 tgaaggggaa gattaggagt tcacttttagc acacataaaa tgggataatt atacttcaca 420
 ggctgtagtg aggggttaaat atgataatat atgaaaggct ttagtactag caagctctta 480
 gtaaagtca ctttcccttt ttcttttctca aagagggtgt gaagcatgaa cagctggggt 540
 ccccaacca atttgactaa ttgcctttct gtagaagtaa tgtgccaatc agatgccaaag 600
 acagcctcct cctgtgggt ttctcactct tcaggaaact ttcactgttg ctaacagggt 660
 ctttagattt gtcaaagggt tctcggtgat gttgacacac 700

<210> 1192
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1192
 ttcttttctca aagagggtgtt gaagcatgaa cagctggggt ccccaacca atttgactaa 60
 ttgcctttct gtagaagtaa tgtgccaatc agatgccaaag acagcctcct cctgtgggtt 120
 ttctcactct tcaggaaact ttcactgttg ctaacagggt ctttagattt gtcaaagggt 180
 tctcggtgat gttgacacac tgatgtgatg atgagtttct gcatcagggg cactgtggcg 240
 cccagacagc ctccatctat gtgctcaccg ttccatatc agtcactctg ctggtgtcac 300
 atgagcaaga ggcattgatct cttcagcaga acagtttgggt tctacagaca cacaccgaca 360
 tccatatcac tccttgctcc cccacccccca ggttggtatg ggactgttga aaaattactt 420
 acctgtgagg taggtactat tattccatt ttatagatga agaacaaagg ttccagagagg 480
 cttgttatat gaattaagt aatgagtata tgcaaaaatg cttagtacca ctgtgcctag 540
 aacttagtaa atgcttgaga aagggttaacc attgttaata aatgttaatc attgtcagta 600
 gttcaagaaa ggaaggattt tctccaaaac tacacttttg ttataaaaaga cagtaggctg 660
 acttaacatt aggtcacaaac tttatcttag ctatttgaat 700

<210> 1193
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1193

```

aatgagtata tgcaaaaatg cttagtagca ctgtgcctag aacttagtaa atgcttgaga 60
aagggttaacc attgttaata aatgttaatc attgtcagta gttcaagaaa ggaaggattt 120
tctccaaaac tacacttttg ttataaaaaga cagtaggctg acttaacatt aggtcacaac 180
tttatcttag ctatttgaat catttgattc tgaataatat tgttggcatg tggcacatta 240
caatttttaa atgaacaaaa caaaaaaggt tatagtctgt atagtagaag cattttcata 300
cagggataaa ttggatatac ttgactttat ggatgagaaa atccagggtac ctggaaggat 360
gctacccaag ggccatcttt ggatatggga tgctctttac ttgtttgaat ttttaacagt 420
aaacttaaat cattcttagg acaataggct agtttgtaaa gatgtctctg aaatgtccgg 480
taagatttgt gtggtacctg tgtgattaac tgttttcagt ggttacattg ctttatctga 540
ggggccacct gactgtgctg acaccatgat ggacagccca agtcagggtg catgagatag 600
tgaggcctag caaaacagat tccttagaag tgcccaaact tccctcttca gctgagggtg 660
gtgactgctc agaccagag ccgtgcacat gcttagtcat 700

```

<210> 1194

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1194

```

tgtgattaac tgttttcagt ggttacattg ctttatctga gggggccacct gactgtgctg 60
acaccatgat ggacagccca agtcagggtg catgagatag tgaggcctag caaaacagat 120
tccttagaag tgcccaaact tccctcttca gctgagggtg gtgactgctc agaccagag 180
ccgtgcacat gcttagtcat ttgatcactg tctgagaaaag ccttctctct gggtagaaac 240
gtaagaacaa cttgagggtt gtatgatccc tctcaagctt gtccaatcca cggcctgtgg 300
gccacatgcg gcccaggaca gctttgaatg tggcccaaca caaattcata aactttctta 360
aaatattatg agactttttt cttttaagct catcagctat cattagtgt ttttatgtgt 420
ggcccaagac aattcttctt ccattggggc ctggggaagc caaaagattg gacaccctg 480
ctctatacac tggttggtgg tgagtgaggg ctcaggtaaa catgagacat ctttgacagc 540
ttcaggataa caaaatctct aggtccagaa gttctacttg caggcctcct gtagaactgg 600
catatatgag aacaggaatc tcacttttat tctgtttaaa tcctggagat ttgattcatg 660
gcacctgcca gtgtggacat ttgcatgtga atctcagata 700

```

<210> 1195

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1195

```

tgagtgaggg ctcaggtaaa catgagacat ctttgacagc ttcaggataa caaaatctct 60
aggtccagaa gttctacttg caggcctcct gtagaactgg catatatgag aacaggaatc 120
tcacttttat tctgtttaaa tcctggagat ttgattcatg gcacctgcca gtgtggacat 180
ttgcatgtga atctcagata cactggcttc attagcctgt aaaacagttc aagagacagg 240
ccaagttccc aaatgggtct tcaagaaagc tataaaattg tgcagaagca aaacatttga 300
gtacctgect ttcagccatg atgttttcta tattggaagc ctagtatcat cctgattcaa 360
cattttctct ggctcattct tagagtccag ggcagcccag tttgaaaatg gcataattct 420
catactctct gaccattggg gtcccactac cgggtaccaa actgtgaggg ggtatattac 480
tggatgtgtc acagacatcc accctgcccc acaccactga gatttgctga ttggagtga 540
tttaattgat aatttctgcc ccaacactga atgtccacac aaggcccttg actcttcct 600
ggatttccca tttatgcttc aattgtcctt gcttccattt ctgccccctt caccttggca 660
tccccagccc tctgctttga tatctttgtg gcttggatgc 700

```

<210> 1196

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1196

```

accctgcccc acaccactga gatttgctga ttggagtgac tttaatggat aattttctgcc 60
ccaacactga atgctcacac aaggcccttg actcttccct ggtattccca tttatgcttc 120
aattgtccctt gcttccattt ctgccccctt cacccttgga tccccagccc tctgctttga 180
tatctttgtg gcttggatgc tgagtggaga ggagagctct ctttgggtgg gagcaggaga 240
tgactagtgg acctctgatg acaattgact ctctctctct ctggcagccg ccttccctcg 300
gctctaccac taccactgtt caaacattgc tctctgctct ccccatggcc aggagctcaa 360
aagctgctac agaccaggag gattccagct tggacacctt atgaccaatg agctacaact 420
tcagtgggca tcacttgggc atcagcttgg attatgacca ggtcaagttg ctgagtgcc 480
ggcagtcaac aagcaactgc tgtggcgctc acctgtcaaa gttctgtcag ttcaagatgc 540
aagagcacca ggttgaaggg cacttgctgc atgtcaagtt cagttctttt tatgattaga 600
gtcagagttc cctgcaagtg agaacagagc ccagctagac ctggccccag ggctcccttg 660
ctgtctgttc cctcttccct ctggatactt ctggccctgt 700

```

<210> 1197

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1197

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tgtggcgctc acctgtcaaa gttctgtcag ttcaagatgc aagagcacca ggttgaaggg 60
cacttgctgc atgtcaagtt cagttctttt tatgattaga gtcagagttc cctgcaagtg 120
agaacagagc ccagctagac ctggccccag ggctcccttg ctgtctgttc cctcttccct 180
ctggatactt ctggccctgt cccagggcat ttgacagggg cctccaagta cctaggccaa 240
ctgaggagca gaggtagagg tgttgaanaa cctccacctg ccaagacctt gagcactgaa 300
cccaggcagc ctctgtgccc ccagcctctg tctctatttc ctttgtgagc cttcttttga 360
ccacttctcc ccttttttac cctcactctc cagttcaggc catcaactct ggcgaaagcaa 420
atataaaaaa cttctcactg atccccctac tgacttttgg ccagcacagt agcctgaggg 480
atccttttaa aacataaata cagctccttc ttgtcagtca ggtctcagcc aaatgtcacc 540
ttctcagaaa ggctcccatt gaccatctan aatcttccat gccatcatca catattctat 600
ttattttatt tttattttaa aaataggttt aaagggcaca agtgtggttt tgttacatgg 660
atatattatg tagtgggtgaa gtctgggctt tcagtgtagc 700

```

<210> 1198

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1198

```

cagctccttc ttgtcagtca ggtctcagcc aaatgtcacc ttctcagaaa ggctcccatt 60
gaccatctan aatcttccat gccatcatca catattctat ttattttatt tttattttaa 120
aaataggttt aaagggcaca agtgtggttt tgttacatgg atatattatg tagtgggtgaa 180
gtctgggctt tcagtgtagc catcacctga atagtgaaca tcgtacccaa taggtaattt 240
ttcaaccctc actccctccc atcttttgaa gtctccaatg cctgttatte cactctgtat 300
tttattttat tatctccact gacattatct tgagcattct tttgtttact gctttactgt 360
cttcttttact accttghtaag catcaagagg gcagacaatt tgtcccgcag ngccctaagt 420
cccaggacag tgctgataa catgggtaaat tgggtactcaa aaagtattta ttgaatgaat 480
gaatgaatga atgaatgaat nnnnccattc ttaagaagag ctcacattgc cagtcactgg 540
gctgtcaagc agtcctcagg ctgacttgag tgctgagtgg agaggagagc ctctccttgc 600

```

```

ggcgagcaag gcatgagcct gccataaccc caggagttac ggggcaaggc ctcttggcct 660
agtggatgcc agccagtagg ccacgggtct ctttaaaagc 700

```

<210> 1199

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1199

```

nnnnccattc ttaagaagag ctcacattgc cagtcaactgg gctgtcaagc agtcctcagg 60
ctgacttgag tgctgagtgg agaggagagc ctctccttgt ggcgagcaag gcatgagcct 120
gccataaccc caggagttac ggggcaaggc ctcttggcct agtggatgcc agccagtagg 180
ccacgggtct ctttaaaagc aacaggaagc caagtcctgg agataagaag tgtggctgcc 240
agcgtgatag aggtgggaag agggctgaag ggtggagagg tgggggctgc cgggcacctc 300
tgtgctgctc cctggggatg cccagacctc tgtggctggc tggccagcac cacatgcttc 360
ctgtggagag caaggagagg agatccccctc caaaggccct ggagctggga ctgccccagc 420
agcctcacc tttgtctcac tgtggtggtt aagacgcagg gctactgtcc cacttctctg 480
ccattcatgg acactagggc agctgccata gggcaagtgt catatccatg tgcctctctg 540
acctggctcc ctgtgcttct ctgtgtttta gactcttcat tgggtacaatg gattcctcca 600
cactggatgat tgtgaagagt ctgggaagtc tgggaggaac tggggactgg gggctagagt 660
ctcaaggagg agtgagggtc tggagggctg agatactaga 700

```

<210> 1200

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1200

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agctgccata gggcaagtgt catatccatg tgcctctctg acctggctcc ctgtgcttct 60
ctgtgtttta gactcttcat tgggtacaatg gattcctcca cactggatgat tgtgaagagt 120
ctgggaagtc tgggaggaac tggggactgg gggctagagt ctcaaggagg agtgagggtc 180
tggagggctg agatactaga tatgagaggc agccgggtg tgggtgatgg gctggcaggg 240
gctagctagc atttgatgc aacataacaa agacctggca tccctttcag tgcctcatcc 300
cggctgggtg atgccaagta gcaggaagag tgatgaaagg gcacctgagg agactcagag 360
actttgggtt aagtgttgta tctgccactg tctggcagac aagtcgtttc tctgtccaca 420
gcttcagtga tgcgtctgtg aaacgggtca tgttctctct ctcacatgat cgtggtgagc 480
attaaggaaa ttatgtaaat catttcagtg actcttcagg cttcngctcc ccattcctgc 540
tggggctcatc tctaggata gtgaggatgt ctgtggacac aaactaagga agccagaaaa 600
ccgctgtcct gactcagtgt cttgcccac cctggcctct ggcccagatt ctggaggcct 660
tagtcagggg gtgggggtct gtttgcccag agctgggggt 700

```

<210> 1201

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1201

```
catttcagtg actcttcagg cttcngctcc ccattcctgc tgggggtcatc tcctaggata 60
gtgaggatgt ctgtggacac aaactaagga agccagaaaa ccgctgtcct gactcagtg 120
cttgcacac cctggcctct ggcccagatt ctggaggcct tagtcagggg gtgggggtct 180
gtttgcccag agctgggggt tccctataga tcctgtggga cagaacaagt gcagcccact 240
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cggactgggtg gactgggttg atccgcccc ttgggaaaat ccaggcatga gctgtcacct 360
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gggaggcgct gcgtgaaacc tgcttaatat acagcctgtc caaagggtccc agcccccagc 480
cacctgaact gccaggactg ttccatttcc ctatcctcca caggcctgcc ccgaggcccc 540
tgncaacaaa tgtcacttcc ccacaccaac ctgcttcctc caggattggg attttctgac 600
ttctatgttt ttcatggctt ctttgatgcc accgctcctg tttctcttcc tcctctgtga 660
ccagttctta caagcctctt acacagctgc ctctcctct 700
```

<210> 1202

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1202

```
ttccatttcc ctatcctcca caggcctgcc ccgaggcccc tgncaacaaa tgtcacttcc 60
ccacaccaac ctgcttcctc caggattggg attttctgac ttctatgttt ttcatggctt 120
ctttgatgcc accgctcctg tttctcttcc tcctctgtga ccagttctta caagcctctt 180
acacagctgc ctctcctctt gccatcttcc taggtttcca agttccttgg ggcttggtag 240
ttctctcttt ggctacccta caggctccta acttgcggtc taaaggccaa atcaaggctt 300
gcaccctcca acaagggtcc ctaccttttc ttaacctgcc accctacaaa caacacttca 360
gactagtggg gttcccagac atgtttctgc atgcccctct ttggggagaa actccacgat 420
tatggagcca tcctaaatgc gagctactag gtccagattt ctttgatcta gcttcagcct 480
atccccacca cacctcttac cagatcacct ggccgtggtg aagggttttc tttaaggcat 540
cccatcacia gcatgttttt ctctgcccct ttgccacctg gcaaacgact cctcctcttt 600
tcatagactg accaagaaac tatagccgcc ccaaccaga tgatactgat tctgctcact 660
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```

<210> 1203

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1203

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tatagccgcc ccaaccaga tgatactgat tctgctcact actgctaggg acaaaagctg 180
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ggagagggg cctgtagcca tttctcctga ggagttgagt acctgagaat ggcagagtga 300
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tgtgggggga agcgtgggtt gtaagcatca ggctctgacc catctgcccc gggacaagat 420
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acagccccag ctgtcagccc tattttggac tactgctaaa aaataattgc cttgtgtaag 600
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gcttggctcc ctctccttct tgggaaaact ctgaaggatc 700
```

<210> 1204
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1204
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 gagcccacgt ctaccaactg ataaatatga aggtataaag gcttggctcc ctctccttct 180
 tgggaaaact ctgaaggatc atcacagatg agcactcctg gtctcagctg gaacctcggc 240
 tgggaattga tagtagctcc acttctcctt ttgcctagtc ctggttcagt cctcatttcc 300
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 gagatgctaa gatatgattt tggagctgga tcatccactg ttggctgcca atgaggactc 480
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 ttacctatg ttggaagaga atgcattaga tgggtgcagt cctcaggtgt ttgagaaata 600
 tgggggaatt agccactgca aggacaatgg aattgctaag cttgactaac tttcagtaaa 660
 agaaaatgga gagcttagag tgattaattg gcaatgaaaa 700

<210> 1205
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1205
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 aggacaatgg aattgctaag cttgactaac tttcagtaaa agaaaatgga gagcttagag 180
 tgattaattg gcaatgaaaa cataagcatg aaagccgtag gcctctttgg tgcatttata 240
 gaaaagaaga aaaagcagag aatcagaccc agacttctgt caaagtagtt aagcttcaaa 300
 gaaggttata ttcccaacca aggcaggctc tctatgccaa gggcagagcc ctggttgggg 360
 aagaatgaga cctgacacg tgggatgagg acctctgttg cacctgaata tcttgaatcc 420
 tcagatttca ctaaacactc tggacctgca gaagtgcct actcatctct gttaaaagct 480
 agaacttgct tcttacttta aaaagaaaat gcggaggctt ctgtcctgca agacatgctc 540
 tcattccatg ttacctcttt gtgctaggcc aataactagg gttaagtcaa aacctaacct 600
 ggccagacat gctgaacttg ctagtgtaga aaaggactat acctcaaagg aaattctggt 660
 catatccaga gagtactagc aggagcttgg agagtatgca 700

<210> 1206
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1206
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 gtgctaggcc aataactagg gttaagtcaa aacctaacct ggccagacat gctgaacttg 120
 ctagtgtaga aaaggactat acctcaaagg aaattctggt catatccaga gagtactagc 180
 aggagcttgg agagtatgca caggactgga ttctggacca agggggtgga acagaaattt 240
 gaacaaaaga gtttatggat atgggaacat tcttcagga taaagtattt aaaactgtgg 300
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 gtgtgcagga ataaatatac taagcaaatt cagaatactc gcctgagggc caagaagata 480
 ccaaaacaag aaatgtattg gaaagaaggg caccagtatc accaagaact aaaatggtgg 540
 ctaaaatagg ccagcattga taggaaatgt cacagaactg ggctcactga tagcagtagg 600
 ggtgatagga ctctgagata atagaggcca agtcatagca cttggcccag ttgtctgggt 660
 ggcaagattg gaatggctgt taagagggcc tggctcccgg 700

<210> 1207
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1207

```

gaaagaaggg caccagtatc accaagaact aaaatggtgg ctaaaatagg ccagcattga 60
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atagaggcca agtcatagca cttggcccag ttgtctgggt ggcaagattg gaatggctgt 180
taagagggcc tggctcccgg ggagttatgg acatgggttaa taaaacatag catctggagg 240
gtcacaatag atggccagcc aacagtgtct cgggttattc tgtgcaagaa aaagaaatca 300
atcatggata atgagtccag tcacccaat aaaaagtaac ctgccgagtt tccagatctg 360
aaccagtttt cagacttaga acctactgat tgaagaagat gccagatctc ccagaaggaa 420
gagtcccaca ccaccacagc aagtgtgcat gataatgatt tccccagccc tttcccaggg 480
ggacctgtgg gcacttaacc tggatagcta catactagga aagagaatat cctaacatgt 540
gaaagactat tgaacccggg attagaattg acattgttac ctaggtagct gaagtggcac 600
caaaatcctc tcattagaat gaggggtata tgtgggccag gtgatagatt cctggcctga 660
gttctgctaa tagcaggtcc tctgggtcca cagaccaca

```

700

<210> 1208

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1208

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tggatagcta catactagga aagagaatat cctaacatgt gaaagactat tgaacccggg 60
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gaggggtata tgtgggccag gtgatagatt cctggcctga gttctgctaa tagcaggtcc 180
tctgggtcca cagaccaca gtgatataat cagatcaaca cacttgataa ttagcacagc 240
ccctacattg ggtccttggc ctgcatggtg agagtgatca tagtgaagaa agccaagtgg 300
aagccttcaa aaccttcca ttccaggcaa aatagtaaat caagaacaat atcacattcc 360
agggttaatg gcagaaatta ttgccaccat tatagacctt aaaggagagc cgtcataatc 420
tcatttaatt taccagcaaa acccagttaa atcctgaaag atgacagcag gctactacca 480
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attaacatgg gctcaggcat acagtgtgta gctgctgatt tggatgaatcc attcttttcc 600
acccctgtta gaaattgttt gcattcactt gggacaaaaca acagttcaaa tttccaaggc 660
aaagttaact ctctgcctt ctgtcataac atagttccaa

```

700

<210> 1209

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1209

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gcagccactg tgcttgccaa atgtgtcttc actacaacag attaacatgg gctcaggcat 60
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tgtcttgtag ttcccacat gaagaaggaa gcggaatgtt tggcaggcct cttagggtta 480
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ctttggctgt agtacatgta gccctgcat gtgggccata tgagtcacat gatactgtgg 660
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```

700

<210> 1210

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1210

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gaaacctatt acacacttgg gaatattatt ctgaaccata tacctggcag tgacacaaaa 60
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gccctgccat gtgggccata tgagtcacat gatactgtgg ttttaaaggt atctgtactg 180
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ccaatgagca ggattggaag acacaaataa gctgcagggt caagtgaccc agaaccctgt 480
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atcccttgtg tccagctgat ggaggatgta aaagctcaaa cttgattccc aaataagttc 600
agatacaata ctggccctca gggagatcaa gagaccacc cactgctagg tgactacatt 660
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```

<210> 1211

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1211

```

caaaaccttc cccagctca catctatggc tgcattgggtg atcccttgtg tccagctgat 60
ggaggatgta aaagctcaaa cttgattccc aaataagttc agatacaata ctggccctca 120
gggagatcaa gagaccacc cactgctagg tgactacatt agccctctta taccctgaa 180
gggccagtga ttcatTTTTga caagaataaa gacacaattt aagcatgagg ttgcctttcc 240
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aagaccttat atggagctct gttccaatag gtataataga agagtttcag aaccaagaga 600
taaaaacagg agtggccccc ttactatca ttcccagtgg ccacttgga aaatatatgc 660
ctcccatccc tgcaaactct ggctctgtgg gtttgagat 700

```

<210> 1212

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1212

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aatgaactat tcttcaggat gcagttctca ctataaatca aagaccttat atggagctct 60
gttccaatag gtataataga agagtttcag aaccaagaga taaaacagg agtggccccc 120
tttactatca ttcccagtgg ccacttgga aaatatatgc ctcccatccc tgcaaactctg 180
ggctctgtgg gtttgagat cctggttccc caggaggga catttccagc aaaagtccca 240
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caggaaagaa aaggaggtac catcttgga ggggtacctg agcctgatca tcaggaggag 360
gtaagactac acagtggagg caggaggga tacatgtagc accccgggtga tccagttgga 420
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aggagatgat gagtgtcatt tgtggccctg agatcaactg caacagcagg gactgtagtt 660
cattgtgaac ctctctcttc taagtctccc agaagtagaa 700

```

<210> 1213

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1213

```

tcttagagat gaaggattgg gtcattgctac cagggtgagcc agcaggatga gcaaagggtgc 60

```

```

taactgagag tgaggggggaa tctggaatgg atagtagagg aggagatgat gagtgtcatt 120
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gaaggcataa aggttgacc tccttgcccc aacataggaa gagtctgaag ggccatccca 660
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```

<210> 1214

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1214

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ttcaggagtc aagggtctgat tgcccctgct gaagaaaatt tccgtgccta aggtcatgct 60
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atagtcgtgc aaatgccgga ctatagctc ttctgggcac cgccccctgt gccaacagag 660
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```

<210> 1215

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1215

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ccctgggtca aaacctttta ggccctcagg cctctggggc ctggagggtca tgaggggtgg 60
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ctatagcctc ttctgggcac cgccccctgt gccaacagag tctggactca tagtggttcc 180
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ttcaactgcc gcgttccctc ttgtctctcc atctgtcctt tccaggctct cgctgagttc 660
aactgtctat cagtgtctgt ccgtttactc atcactgcca 700

```

<210> 1216

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1216

```

tggccacatt ttaacctgac cacagcttgc aactgcgtct ctgtctgtcc ctgccagggg 60
ctcttgccaa gtccgccatc tcctctatgt ctgtcagttc ttcactgcca gcgttccctc 120
ttgtctctcc atctgtcctt tccaggctct cgctgagttc aactgtctat cagtgtctgt 180

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```

ccgtttactc atcactgcc a ggagcctgag ctatgcctat ctgtttgtct gccctgtca 240
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```

<210> 1217

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1217

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aaccttttgt gtgaccatgg cccagggtat ggctcgaggc tctggcagct tcctcttatt 60
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cattaggggtc tgtctgattc acagtgtctgc ccctagccct gagaagagag agagcttcca 180
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ccagttcccc tggctcctgg atggcccaa gggcctctc ttggctccct cacagatgct 660
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```

<210> 1218

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1218

```

cagagagctg ggcttccctc cctcctgcag cttcctttga gatggttccc gaatccgtta 60
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gcagtagttc agagcagaga cctcacagt cccctgagga acagatgaca gtccaccct 480
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aaccatttgg ctggggtgca ttccaggcag gggtagcagg tgatggtggg agtgcctgtg 660
ctggttcgtg ttactggggg ccagggtgta tatgaaggag 700

```

<210> 1219

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1219

```

gcaagcctca gagtaggtgt tgaggaagag gagggcccag tgcaggacct ctccacctcc 60
cactggacat tagtcttacc ccattgtgga gacagatgtc aaccatttgg ctggggtgca 120
ttccaggcag gggtagcagg tgatggtggg agtgcctgtg ctgggttcgtg ttactggggg 180
ccagggtgta tatgaaggag atggatggtg agcaatgagg ctagagggtat ctgcaggggc 240
tgacggggcc agggcagtaa gggagggtct taggtcagac caaagggtt ggagttcatg 300

```



```

ctgagctggc aggtaaccct tatgacacac agccagacta acccctaaag tgtaagctcc 360
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taccaggaca tggcagggga ctgactaagg gaccgagacc tcaagaggaa cccaggacag 660
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```

<210> 1220

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1220

```

ttgggggtgat tgtctgcatt agtgaggtgg actgggtcag ggcaaagcca taaagacaaa 60
gagaagtggg caggttggaa aggggctggg aagatgaatg taccaggaca tggcagggga 120
ctgactaagg gaccgagacc tcaagaggaa cccaggacag taccaggtc tctccacttg 180
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ccaggctgga atgcagtggg gctttctcgg ctactgcaa gcttcatctc ctgggttcaa 600
gcgattctcc tgcctcagcc tcccaagcag ctggggacta caggcatgtg ccaccatgcc 660
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```

<210> 1221

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1221

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<210> 1222

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1222

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<210> 1223

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1223

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<210> 1224

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1224

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<210> 1225

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1225

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 <212> DNA
 <213> Homo sapiens

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<210> 1227
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 <212> DNA
 <213> Homo sapiens

<400> 1227						
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 <212> DNA
 <213> Homo sapiens

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<210> 1229

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1229

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<210> 1230

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1230

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<211> 700

<212> DNA

<213> Homo sapiens

<400> 1231

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 1235
 <211> 700

<212> DNA
 <213> Homo sapiens

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<210> 1236
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<210> 1237
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 <212> DNA
 <213> Homo sapiens

<400> 1237
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<210> 1238
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1238
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 cacctatgcc cggctctcac ctccccctctg ctctgacagt gttggccctt ggatagtgcc 180
 caacgcctgg gaggcccccg cccccctctcc acctccccgt ttcctccctn ccctgcctca 240
 tgggaaggca ggcaccnant ggcatttgct catgggttaa aacaaactag aacnntnnnn 300
 nnntagaagc ntattttttaa taataattat tacggtaaaa catcttgaat aaatatggaa 360
 tatgaactta aataaataaa taaataaata ttttaaaaaat ataaatatat aaatattact 420
 gattttctgtc agtataaaaat attcccattc ttctgccatg cctgtatcag ggtcagtgtg 480
 gccagggca ggtccaggcc actcccacca tggctgtggc ccaccccttg gtccctccaa 540
 gatgaccatc ctgagtttct agctcttggt tcatgagaga gcagctcccc ggcttggcca 600
 gcctcatctg gccggtctca ctccctggact ggctcccagc agtcaaaggg gatgacaagc 660
 agaaagtcct tcaggtttctc tttgaaactt tcaaaggtga 700

<210> 1239
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1239
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 ctccctggact ggctcccagc agtcaaaggg gatgacaagc agaaagtcct tcaggttctc 180
 tttgaaactt tcaaaggtga tantctgggt tgcacaggaa gtttccttta aaaaaagaaa 240
 aataaaaaaac acttgagtcc aggcaagtgg gtaacgtggg ggaagggaagc accagcatgt 300
 ttctctactg cctcttagaa ctgagaggcc aggaggccca ctccaggaca caccactga 360
 cctgggtcag gtgacgtgc tgccaccac gtgttccca aggagtgc atgtctgcca 420
 gtggcagcca gagtcaaggg cctgacttaa gtgccagcct gagggtggcc ttctgggcag 480
 tcaaacgcct gccttttttg tcccagggca gagcagggca gctgagctga ggctgtctct 540
 gggcaccagc aaggagtggg gtcaaggcca caaactttgc tcccttcccg caggaaggag 600
 tgctgaggt ccttgtccat tccaagtagc ctcccttctc tgatcctctg caantcaagc 660
 accccatgtg gggccagagg aaagtcctgc cagaaggtgg 700

<210> 1240
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1240
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 gtcaaggcca caaactttgc tcccttcccg caggaaggag tgctgaggt ccttgtccat 120
 tccaagtagc ctcccttctc tgatcctctg caantcaagc accccatgtg gggccagagg 180
 aaagtcctgc cagaaggtgg cacttgggcc tgggcaactc ctctgggctt tgggcaggcc 240
 ccaagtttcc ttgggtttgc cctcacctct gacctatta accantaatg acaataatga 300

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ccaggatagg agcagctcct gctggggagc actgtgggct tcagcgctct gtggctctga 360
ctccttggga tgaaatgggc tgtctgcctc ctctctggag ggctaatacat tacataactg 420
ttggcacaga aaccccttgg ggtcctgaac agccacagcc atagatctct ccccatgtcg 480
accncacccc ctagattaag acattcctgc tggaggccct gccgtaggca ctcaccgggg 540
ttggagggca gtgctgnttg tagtggctgg ccatcatggt caagggggcc ttgagcttgg 600
tgaggctgcc ccgcaggccc tgcttgtaga gctccaggcg ggtctgtagg caggctcggt 660
cctgtggaaa atgtcgttcg tcggtgagca gtggccaagt 700

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<210> 1241

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1241

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acattcctgc tggaggccct gccgtaggca ctcaccgggg ttggagggca gtgctgnttg 60
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tgcttgtaga gctccaggcg ggtctgtagg caggctcggt cctgtggaaa atgtcgttcg 180
tcggtgagca gtggccaagt gcccacagtg gtacaagaac tctccaccac tcctttttgc 240
tgctgcccc agccccagc agtagggctt gggaggggca caggctgggt ccagtcatag 300
accctgccct gtccatggca ggcacgaacc tgcccttctc actgccccgc ccaggccacc 360
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tcagggagag ggggggtgggg cctcacctgg acctgctggg tgggcaaggg ttgttcctga 480
aacccctctg tgcctctctg tagtcagcac tgtctcaaca ggacttggtc tcggggcaca 540
gtgagcgccc caaacccaca gctcctgtct catgaagtga cccccacttt accacctgtc 600
ccctggtgac tcctggccat tgaatgctag gtctgcccac ggccgctcag ctgataaagg 660
agctcatgtg actgccatag gggcacggcc agtagcctct 700

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<210> 1242

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 1242

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gctcctgtct catgaagtga cccccacttt accacctgtc ccctggtgac tcctggccat 120
tgaatgctag gtctgcccac ggccgctcag ctgataaagg agctcatgtg actgccatag 180
gggcacggcc agtagcctct tgagcaccca gttgctaccc cctcctcctg cagccagctg 240
actggagaga aagtggacaa ccctgtgttg tgccatctaa aatggagtcc ccacctccac 300
cccagggcag gggcttcttg aaagctatgt cagagagaag catcttacct ggaggtcaaa 360
catttctgag atgacttcta ctgtttcatt ctgtagaaaa ggaaaatgtc atgttatcaa 420
gctgacaggc gtggccagtc aggggccagc tgggtggcct aggcacaggc ccacattctc 480
tcacttacca tctcagcagc agtgtctcta ctcaggttca ggagacgccg ggctccttgg 540
atggcattca catgctccca gggctgngtg ctggggctgg gcgagcgggc ggggtgcagag 600
atgctgcagg ccacagtgcc caagagcagc aggtcttgca gccacatcct ccagngaact 660
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<210> 1243

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1243

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caagagcagc aggctctgca gccacatcct ccagnaaact ttagcctttc tctctgtgta 180
ctgggctcac tggcaaaaga gctcttaaat acacagagga aatgattaat ggtgaccaca 240
aaatgccagg gaggcggggg aactacctga actgtggaat ctctggccc ttatcagcca 300
cacatgggaa cgggtgagcct tttccctagg tggtcaggct tggggggttt cattaatgaa 360
cctttccaag aaccgacagc ccacccaccc gccttcctga gggctctcca gccctccctg 420
ggcagtctga atgggcctga ggctgcccc tccctctgag gggcacagtt tggacttcct 480
ggcctggaat ggctgggggtg gggcgtggga gacacttaga tagggctccc catcctgcct 540
gtaatcccag gggccttttg gcaggctatg cccgccctgg tgcctcattc tgactccagc 600
cttcctcttc tctggccact gtgagagact tgagtgtgag gggagctctc acagacctgc 660
cccactgaca gttcacatgg gctcccaccc aggacctgga 700

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<210> 1244

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1244

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gggcgtggga gacacttaga tagggctccc catcctgcct gtaatcccag gggccttttg 60
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gtgagagact tgagtgtgag gggagctctc acagacctgc cccactgaca gttcacatgg 180
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cctgtgagca gagggaatga ccaccatgtg cacatccagc agcgagactg cagccactct 300
cagcaagctt cagaggggggt gtggctgggt caagtcggga cccagagtct gactcttggt 360
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cagagcaggt ttgccccct gaggttcgga ctacactcct atatgtagcc cccagaagac 480
accaggagct tcaggctggc tccagggtct tggtgcac cactctcagg acagggacaa 540
tggcttcccc agcaaggccc tccaggctta atttctaca taaccccagc atcccccaac 600
tccagaggcc tttctgtgga agtgtggaag taggaaatct aaaggctctt gaggggctga 660
caagtgtttg attttcacia tggagttcag agaagacagc 700

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<210> 1245

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1245

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tccagggtctg tggctgcac cactctcagg acagggacaa tggcttcccc agcaaggccc 60
tccaggctta atttctaca taaccccagc atcccccaac tccagaggcc tttctgtgga 120
agtgtggaag taggaaatct aaaggctctt gaggggctga caagtgtttg attttcacia 180
tggagttcag agaagacagc acgagtttgt gtttgacaa ggtatctggc tcaagctgcc 240
ccatgcctgg gtttcatagc taaaggggtg tgggcccaca cgtgcccatt tctgggtgta 300
tgtgtgctgc tgtgattggg tgtacataga ggtgcctggg agaggggagg atgttttcca 360
tgagatgca tctattgagt cctcttacct gctttatgaa aggctccagg cctctgaagg 420
tgactctgat actggagaag ctccctactc cagggtgcagt gcctctgggc cctagaggct 480
gattcagcct aaaccagtgg ggttggacac aagcgagaac attctgctgg actcagggtg 540
gcgagccttc agagagcagg tggagttcat ggcttttagc ctgtgggtct agtctgcagc 600
cctggccagt ttccctgtac tgtgggagtt tttctgacct tgcatagaga aaccaaacct 660
tagtcctcca gacccactg tgaggccagc cccatccatc 700

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<210> 1246

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1246

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ggttgacac aagcgagaac attctgctgg actcagggtg gcgagccttc agagagcagg 60
tgaggttcat ggcttttagca ctgtggtctg agtctgcagc cctggccagt ttccctgtac 120
tgtgggagtt tttctgacct tgcatagaga aaccaaacct tagtcctcca gacccactg 180
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cagctgatgg ccaggggaggc agagagcctg tatgacccat ctgggagaga aggtcacttt 480
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gaggctccca gtctggtagg aaacagactg caatggaccc tcccatgggtg tgaccttgac 660
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<210> 1247

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1247

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atagctcaga cagtcagtca acaagtcttt ccaatccaca ccaggacctg ttctggggag 60
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aaacagactg caatggaccc tcccatgggtg tgaccttgac tcggcagggg gaagtccaga 180
gctgagggat cccagagggc caccttctct agcttgggga tccaagggga ccagagagct 240
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ccccccacca aagtgtgctc tgaatgtgag taagaggagt tagaatcact gtccacatgg 660
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```

<210> 1248

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1248

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aaaagggaca taaggatgac aaaatcggtc agggtcctgc ctccaaggac tttttaaccc 60
catccatgga ggagcaagat tagtctactc acccccctcc cccccacca aagtgtgctc 120
tgaatgtgag taagaggagt tagaatcact gtccacatgg ctaaggtagg gaccagggg 180
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attttaacaa gtgtcaaccg atagccagcc atgctgactc aggggctccg atggggctgt 660
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<210> 1249

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(700)
 <223> n = A,T,C or G

<400> 1249
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 ctggctggac cagcaggggg tggaccagc gtgcttgctc cctcaaggca gctgtaaaga 660
 gagatgcctg ccaggtgttc gcaggtaggc tggagtggcc 700

<210> 1250
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1250
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 aggtagggag tccggcctcc acctgagtca gggctcctgg gtccctgcac accgacagga 660
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<210> 1251
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1251
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<210> 1252
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1252
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<210> 1253
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1253
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 aagactcttc tggatccctc acgggtccct cagactttcc ctgaggccct gtttgggcag 480
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<210> 1254
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1254
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 atcaggacac agagcagggt cgcagctggg gctcacgaag 700

<210> 1255
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1255
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 aggaggaggg aaggaggcct cacaccagaa ggattccatg gacccacag ggcaggaggg 540
 gctcatggaa gggaaaggga aggggtcact catgagccat ggctggagggt agagttgagc 600
 ttggggctct tggggagcct gagggtggagc tggaggaggc cttgacaacc agccatggca 660
 ggggacagct gggagccagg gtctctctca gaagttcctt 700

<210> 1256
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1256
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 aggggtcact catgagccat ggctggagggt agagttgagc ttggggctct tggggagcct 120
 gagggtggagc tggaggaggc cttgacaacc agccatggca ggggacagct gggagccagg 180
 gtctctctca gaagttcctt aaggcatggg gacagagaca aagaggagca cagaggacca 240
 cctccctgga tctaagccc caatgtgtgt gttggtgtg gggaggggt gccaggtagg 300
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 gaagcatgga gctgaggcgc taaggctgag ctgctcactg tgggcctgga accaggagggt 420
 ttaggggagc aagtttaacac gggaggcctg gatccagtca aggggagacc ccaggcacat 480
 ccagggtcag acttaaaaga attcctgggc ctgagtgagg attagtgaac cactgttgct 540
 taaggattca gaggtctctg actcaaataa ccttcatttt tctgcctcag tctctgtctg 600
 tgtaatgggg ataatacag cctgggtgac tgggtcattg tggggattct ttgagtcctt 660
 tctcagtcca ggagggcagc agcaactttg ctgaccacc 700

<210> 1257
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1257
 attcctgggc ctgagtgagg attagtgaac cactgttgct taaggattca gaggtctctg 60
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 cctgggtgac tgggtcattg tggggattct ttgagtcctt tctcagtcca ggagggcagc 180
 agcaactttg ctgaccacc tcgttgagct tgacctgagg ctttcaaggg ggaaagtgg 240
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 ggggtcccca tcttctctgg cccagggtat cccctctgct ggaccagccc ctatttctc 360
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 catggctcca tctgtcctt ccgctccct ccacccacc ctctcaggc cacagtcac 480
 cagtcttacc gtctccacag cggccagtct gggctgggt ggctgggat cagagaggga 540
 ggaatgggga gaagagacta gctaagacc agaggtgcct gggggccagg ctggctgggc 600
 tccaggggca aaagcagtga cccagggcac agccttcacc ttggacactt ggcaccagc 660
 cacactctgg cctctccact gcttagtctc tctgtgctt 700

<210> 1258
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1258
cggccagtct gggctgggct ggccctgggat cagagagggga ggaatgggga gaagagacta 60
gctaagacct agaggtgcct gggggcccagg ctggctgggc tccaggggca aaagcagtga 120
cccagggcac agccttcacc ttggacactt ggcacccagc cacactctgg cctctccact 180
gcttagtctc tcctgtgcct ccgcttacct tgtcttctcg acctccatgc cctcctcccc 240
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ccatcggtcc tgtgctgtct gtaatgacct ccaccgcact gtgctgggac aactgcacaa 420
ggccaggagg cctgaaaggc ctggcccagt gtctcaccta tgcccgcacc agcctggggg 480
agccgtggag ggtcctcaga gcagttgctc cactgagtca aatgggggct tgagtccagg 540
gcaggaggaa cagagccctt tcctggagtg ggaggattcc tgtcaagggg tgaggcttgt 600
tgtgccttct gagttctgcc ctcttaggc acttgccttt ctgtcaattt tccctttgtt 660
ttatttttct gcattttccaa gtttttcagt aaagagtata 700

```

```

<210> 1259
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1259
gcagttgctc cactgagtca aatgggggct tgagtccagg gcaggaggaa cagagccctt 60
tcctggagtg ggaggattcc tgtcaagggg tgaggcttgt tgtgccttct gagttctgcc 120
ctccttaggc acttgccttt ctgtcaattt tccctttgtt ttatttttct gcattttccaa 180
gtttttcagt aaagagtata tacgctttcc catcttctcc tccaatgaaa aacaatagtt 240
tttggttttt ttttttgaga tggagttctg ctccaacaat agtttttaag tgaaaaataa 300
aatcctggc tgagagctgt aatccacctt tcccctgagc agacacctgg gatgtgggaa 360
ggcaggaact tgggccttct ctggtgggtc tgggatttat aatgggggca tgctgcccc 420
tggcgccatc tggacacaca gacctggccc aaaggacagg ctccacatcc taatgccatc 480
acagtgggga ttcaatttta acatacaaat ttggagggaa cataaacctt ctgtcaaagc 540
atgtagaaat tccccagcc tgtccaggaa ctgactgcca cttgggtctg gccccagttc 600
ggctttaagc tgcagtctat actattccag aaggctcagc aggagcccc agcgcattctg 660
aaaagggtccg cccactgccc tctccagcat gtcacctccg 700

```

```

<210> 1260
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1260
acatacaaat ttggagggaa cataaacctt ctgtcaaagc atgtagaaat tccccagcc 60
tgtccaggaa ctgactgcca cttggttctg gccccagttc ggctttaagc tgcagtctat 120
actattccag aaggctcagc aggagcccc agcgcattctg aaaagggtccg cccactgccc 180
tctccagcat gtcacctccg cgtgccaccc tccgccagcg acaggctctg acgactggcc 240
tcgtgcacca ggtctgtgtc tgatccagcc actaacctt cctcttgagc gcattcagtc 300
ctaacacagg accagcagag gagacagctg ctgacctact ctccagggtg tgaagaggag 360
gtggcaagca gcgactcatc tgggaacatg gggctggggc acaaatgctg cctcagcccc 420
ggatgaaaac aggactagct gtcacgtgcg agaggaggag aaagtgaggg ctggggggag 480
ctgggtgtgc aggagacttg ggaaacccag tccagagtca gacctctcac cctaccctct 540
caggcctggc tcctccagga cctctgaagt gccctgagac cagtggcaca cacctcccc 600
tagtgggtcaa tccagaaact gcagcagcat cctctgtatc tcctcccagg ctaagtccaa 660
caacagacat cccctggtcc ccaggcaatg ccctcagtga 700

```

```

<210> 1261
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1261
ggaaacccag tccagagtca gacctctcac cctaccctct caggcctggc tcctccagga 60

```

```

cctctgaagt gccctgagac cagtggcaca cacctcccc tagtgggtcaa tccagaaact 120
gcagcagcat cctctgtatc tcctcccagg ctaagtccaa caacagacat cccctgggcc 180
ccaggcaatg ccctcagtga gccaggctgg ggagagggtgg ggggagggggg aaaagagagt 240
tcttctgtgg gaacataacg attttttagg ggggaagaatt tagggaaata gagttctgag 300
cctgtagcag ataaatcttc catcatctcc agtcccatc aagcagccgg gctgttcctt 360
attcataacc tcaagggagg gatggatcaa ggtggaaaac aggaaaaagg gggacaggac 420
ccctgcacct ggtgtcagcc tctgacgctt ttctgggact tgagagggaat cagagaggat 480
gctattgctg cttacgtggg gacagaggaa ggccccctctg cccctccttc cactggcaga 540
ctgagtaggg ccacaggggtg gtgtgcaggg gagttagagg ggggcactca gggctaaagg 600
gccagggtgg agactgaagc cacactcggg atgtcccagc ctctgcctt ctgcctccag 660
gctgggtctgc accacctccg tgccacagtg gctgtccctc 700

```

```

<210> 1262
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1262
gacagaggaa ggccccctctg cccctccttc cactggcaga ctgagtaggg ccacaggggtg 60
gtgtgcaggg gagttagagg ggggcactca gggctaaagg gccagggtgg agactgaagc 120
cacactcggg atgtcccagc ctctgcctt ctgcctccag gctgggtctgc accacctccg 180
tgccacagtg gctgtccctc cagtgggtcc ctgtgtaccc acctatttcg gaggagggcc 240
ccatcctggg atgggtgtga cagtccagag gtgggcagag tttgagttgg tccatggaat 300
aggaactcat caagccaagt aagggcagtc cagactgagg tgacaatgtg gatagaagct 360
ccagggcagc aagagagggt tcatggaagg ctgtctagga agtcccagca ctctgtttg 420
ctggagcatt gattaggggtg gtagccatgg gggaaacaga agcaacagat ggaggtgagc 480
cttatacggt gtccctaagg tatggacaag gtccagaaga ccccgaggac tgggggattc 540
agtatagatc cacatgggtc gatttgcatt ttctaaaact ccatctggct cccagtaga 600
gcacagatcg tcagggtgtg ggttccaggg ctggccggga ggcctacagg gtggctgcta 660
aatcatcagg caggagaggc tgggggctta ggcaggggtg 700

```

```

<210> 1263
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1263
tatggacaag gtccagaaga ccccgaggac tgggggattc agtatagatc cacatgggtc 60
gatttgcatt ttctaaaact ccatctggct cccagtaga gcacagatcg tcagggtgtg 120
ggttccaggg ctggccggga ggcctacagg gtggctgcta aatcatcagg caggagaggc 180
tgggggctta ggcaggggtg gagactccag gcttgagggt ttttaaagga atggaatgaa 240
gaattgggtg gcttgtgtca gcagaacctg ctgccttgag ggggtcaggg gatgttgatc 300
cctgatgttg gccctgggag gagcaggggc ggcggctgca gtttctggaa ggaccactag 360
ggggagacat gccacaggat tagcatgctc cagaccacag ggacctgaat tcaagcccca 420
gctgggccac tatcagctta ggcagttgct caaccaggcc gaacttcagt ttcccatgaa 480
acggagaaaa catactcttg gttgggggtg ggaataagtt agatagcata ggtaaaatgc 540
tcagaacggc tcctggtacc tggtagcagt tctgtggatt ttcaagattg ctagggttat 600
catcaccttt ctggaaatgg ggggtggcagg agggcagtggt gagaacaagc tcaccagac 660
agcatccacg tggcaggatc aagccacca ggatttgtgg 700

```

```

<210> 1264
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

<400> 1264

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gttgggggtga ggaataagtt agatagcata ggtaaaatgc tcagaacggc tcctggtacc 60
tggttagcagt tctgtggatt ttcaagattg ctagggttat catcaccttt ctggaaatgg 120
gggtggcagg agggcagtggt gagaacaagc tcaccagac agcatccacg tggcaggatc 180
aagccaccca ggatttgtgg cacaccagtc tcccttaaaa tggtcactaa gtcccaagtc 240
aaattgagac actggttaaca aagcagttgt tcagagtcta gtttattctc acacatccct 300
aggaaccagt ttaaaactcg aggtacaaat gaacatgctc cccacccac tctgagtttt 360
ttgcagaagc agcaggacat ggctcctctg ctaaaataaa tacagttcac actccaggca 420
ataaataaat aaatacatac atacataaat aaatagtctc aatgggataa aaatgagaac 480
acaaccgcac aaggccaaat gggagctgca catttcagaa attagataat taacaattca 540
tctgatgccg caggaaaagg tgaaatgctt ctggctcctgg aatgtgtgag agatgacca 600
gaggtttcag aagttctgct gtttttgatg tcccgaggcn ctgtggtgag aaggccaga 660
gaacgagctg gacgttggac tnaaaagatc gcgaggctca 700

```

<210> 1265

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1265

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gggagctgca catttcagaa attagataat taacaattca tctgatgccg caggaaaagg 60
tgaaatgctt ctggctcctgg aatgtgtgag agatgacca gaggtttcag aagttctgct 120
gtttttgatg tcccgaggcn ctgtggtgag aaggcccaga gaacgagctg gacgttggac 180
tnaaaagatc gcgaggctca aagtcgtctg ttgagcctgc gcattctcaa gggttttcag 240
atagaacgtc agtttcctcc ggaattcatt ccagtcaccg tccttgatat ggattggatg 300
tcgctataaa gaaaccaaga aggtggcatt aggtgagtc aggctgtaat ggtgatgacc 360
agctgaggag caagccatga cgggcatctt gggggacagc ttaccgtggg tgcggccgtg 420
gccaggggca gacatggcag gagattctgt ggaaagagac caaagcagat ggtcagagat 480
tcccttggaag agggagtggt cctgctctc ctccccagag gcagggcagg gccaacacag 540
ggatcccaaa ccctcaacag cttcacatac tttaagaatg ctctcaattg ctgatgcgtt 600
ctgtaaactc ttgacagccc tgttgaatgc ctccaggttt ggccttcgaa ggttattttc 660
ctaacggggc agagaatata cttaaggggg aaaggttaca 700

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<210> 1266

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1266

```

ccctgctctc ctccccagag gcagggcagg gccaacacag ggatcccaaa ccctcaacag 60
cttcacatac tttaagaatg ctctcaattg ctgatgcgtt ctgtaaactc ttgacagccc 120
tgttgaatgc ctccagggtt ggccttcgaa ggttattttc ctaacggggc agagaatata 180
cttaaggggg aaaggttaca gagtatccct ccacaagca ggtggaagtc acccccacag 240
tttcccaagc cactgtttgg ggacatcctc gggttccctc ctagtcccgt tcttgccctca 300
ggtgggtccc tgcccaaggg cacaggccta gaagtgagtg gcaggcagga cctgggtttc 360
tcaagccccc agtctctggc tccatttgag ctacataaag ggcctagggt ggctgggcgc 420
agtggctcaa gcctgtaate ccagcacttt gggaggccga ggcaggcaga taacctgagg 480
tcgagttcaa gaccagcctg accaatatgg tgaaaccccg tctctactaa aaatacaaaa 540
atgggagtggt tgggtgcatgc ctgtaatcct agctacttgg gaggctgaga caggagaatt 600
gcttgaaactc aggaggcaga ggtagcagtg agctgagatc gtgccactgc actccagcct 660
gggcaacaga gtgagactct tgtctcaaaa aaaaaaaaaa 700

```

<210> 1267

<211> 700

<212> DNA
 <213> Homo sapiens

<400> 1267
 accaatatgg tgaacccccg tctctactaa aaatacaaaa atgggagtggt tgggtgcatgc 60
 ctgtaatcct agctacttgg gaggctgaga caggagaatt gcttgaactc aggaggcaga 120
 ggtagcagtg agctgagatc gtgccactgc actccagcct gggcaacaga gtgagactct 180
 tgtctcaaaa aaaaaaaaaa aatgggtggg gaggggggtac ctagggtggat ctttctgcac 240
 ttgggggaaa aaatatctcc aaaaagaagc tctacaaaag acaggggggtt ttccaaggga 300
 agtatttcta gctcagaggc tgataacagt gttcatgccc tgactgaatt aaagtctcct 360
 agaaatcaag aagaaaatca cagagacccc agcatggaaa tgggtgcagc atgtgagctg 420
 tgagtgcctc aaacacagat ggcccaggaa ctcagcaaaag gtttccactt cttgtttgac 480
 ccaagaaatg tcatgcaaaag gtgagacaga acaactgcaa ccaactggaa ccatgaaaaa 540
 taactgtaaa tgataatgcc acagccaatg aggggtggaaa acacaaactc aatttttttaa 600
 gggaaaaaga agctggcaca tctgaggggg aaatttctgt ctgtcagtcc agagtctgcc 660
 ctaccaaaca ctgaccttaa ggcccttggt attcctcacc 700

<210> 1268
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1268
 gtgagacaga acaactgcaa ccaactggaa ccatgaaaaa taactgtaaa tgataatgcc 60
 acagccaatg aggggtggaaa acacaaactc aatttttttaa gggaaaaaga agctggcaca 120
 tctgaggggg aaatttctgt ctgtcagtcc agagtctgcc ctaccaaaca ctgaccttaa 180
 ggcccttggt attcctcacc tagaactgcc ttttcatttt ctaatttaaa agtcattttc 240
 attattatag ccatggctgt ggccatgtat tgaactctta agtgccagat gctgggcccag 300
 aacatgcaca ttgtgccatt tgattgtcat aacaatccca ctgagatagg tgctattaac 360
 cctatttttac agatgaagaa agcaaggcta ggtaagatgg aatgacatgg ctgaagtcac 420
 ccaggcagga agtggatcgg gatccacggg ctgagctctt accatcagaa tgtcttggtc 480
 ttccccattg aggttggtga agtcctgtgg ggtgaaagg agagaaaggc ccatgaggcc 540
 ttttggcctt aggcagccac caccctcac tgctgcaggc cagtcttatc caagctactc 600
 accagcaaag gcaaagggtg ctgctttaag tgtgttataa tttcatcgat catgttagag 660
 cagttaaccc agcttgtctt caaggncgtt gtctgggtca 700

<210> 1269
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1269
 agtcctgtgg ggggtgaagg agagaaaggc ccatgaggcc ttttggcctt aggcagccac 60
 caccctcac tgctgcaggc cagtcttatc caagctactc accagcaaag gcaaagggtg 120
 ctgctttaag tgtgttataa tttcatcgat catgttagag cagttaaccc agcttgtctt 180
 caaggncgtt gtctgggtca tgggagcttg gagtccgggg cggaccagga gttggagcag 240
 gagcaggacg ggcaggcggt tcatgtttgg atcggcagga ggcactctgt cttgttctgg 300
 tccttcgtgg ggctctgaag agttggcaac aacctcccgc cttatatgtg cagcagcaag 360
 gtgcccacaa ccccgggcaa ggcgggggga ggtggtggtg tggggcaggc gtcggaaggaa 420

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tctttatctg acatggaacc tccatagaaa accacagacg taattattca tccatgactt 480
tctagtactc aagatcagtg aaacaagaaa aaagattact taaacgttat cacttcatct 540
tgtcaaggag gatgagagat ggggaagcatg gcagcaggtg agaggacccc tgtggcagga 600
aggggaagcc tgactcagct cactgaggcc tctgcccag tgggatctca tctgccatca 660
cctggactac cctggccctc tgctgcccgc cctgcttggt 700

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<210> 1270

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1270

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aaacaagaaa aaagattact taaacgttat cacttcatct tgtcaaggag gatgagagat 60
gggaagcatg gcagcaggtg agaggacccc tgtggcagga aggggaagcc tgactcagct 120
cactgaggcc tctgcccag tgggatctca tctgccatca cctggactac cctggccctc 180
tgctgcccgc cctgcttggt cctgggtgggt ggccaggagg ccactggaac agatgagagt 240
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catctcttgg tgccgcttcc caatacagaa ttactggtgt tccagtcccc agtggtttgt 360
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tcaggcccca ggtggccatt ctcttactgg tctgctagca gtggcatggc tgttccctgc 480
gtgtgggact cagcctctgc aggaggcccc gctgcagccc ctggcagtcc ctctggtagc 540
accgagagct gagctcaggt acctgaggac actgtcactg ggagctgggg gaggggctgg 600
cctgggaggt ttaggaggca gaattggcat ggtctgaggg gtgaggtcaa gggaggagaa 660
aggagagcaa ctccctggtt tcagactggg cctcaggctg 700

```

<210> 1271

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1271

```

aggaggcccc gctgcagccc ctggcagtcc ctctggtagc accgagagct gagctcaggt 60
acctgaggac actgtcactg ggagctgggg gaggggctgg cctgggaggt ttaggaggca 120
gaattggcat ggtctgaggg gtgaggtcaa gggaggagaa aggagagcaa ctccctggtt 180
tcagactggg cctcaggctg ctggggcagg gattggcagg agacagttgt attgagaggt 240
cttgatcccc gtctgtgctg agcatggatt tgccaggtgc aggccagta ggcaaggttt 300
gcagagaggg gatgtgagtg gggacagacc atggggaaat ccacaaggga cctgagaaac 360
tgcagccaga taggaagcag gaaaccaga agggcggggg tggttatccc agagggcagc 420
ccctgagaga agaggggtcc tcctgatacg ggcctgtctt ggggcctgcc tgaccacccc 480
catggggtag gggcttttgg taaagggatg agtgtgacag gggcatgtgg aagacttctt 540
caagatgatt ggccccgggt gggagggaga ggagagcagt aaggaaaggc caggggtctgg 600
gtcatggtgc ggtgtgttgt gatcagtgtg ggggatgcgg gataggaggt tatgctgagg 660
cagcgggaatt tgggtgcttt gggcttctga gcataagcag 700

```

<210> 1272

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1272

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taaagggatg agtgtgacag gggcatgtgg aagacttctt caagatgatt ggccccgggt 60
gggagggaga ggagagcagt aaggaaaggc caggggtctgg gtcatgggtgc ggtgtgttgt 120
gatcagtgtg ggggatgcgg gataggaggt tatgctgagg cagcgggaatt tgggtgcttt 180
gggcttctga gcataagcag atcaggtgaa gacaaggacc aggatgtggc tgtggggagg 240
caggtgaaga ggctgtgact caaggccatg ctgtgaggat gatttctgta gctgatatgc 300
cctcctggct cagccccagg ctgggcccctg gaccaggaag agccctaggt tctggacccc 360
gagtggagtc tgacaggcac aactcaacac acagagggga gccttagcac cagcttgctg 420
actccgtagg cacaattcat tcaacagacg tctacaaagc acttgctgtg aataaaacag 480
acatggtaac ctccactagc agctcagtct tgtgaggaga cagatttcca gtcttgctac 540

```

```

ccttcctgtg gtcccagacc tgcaggtcag ccctgcccgg gagcttggtta gcggtgtcaa 600
ccctcaggcc ccagcccaga ctttctgaat caaaaatcgc attttgataa gatcctcagt 660
gattcagtgc atttgagggg ctctgatcta actacctcag 700

```

<210> 1273

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1273

```

agctcagtct tgtgaggaga cagatttcca gtcttgctac ccttcctgtg gtcccagacc 60
tgcaggtcag ccctgcccgg gagcttggtta gcggtgtcaa ccctcaggcc ccagcccaga 120
ctttctgaat caaaaatcgc attttgataa gatcctcagt gattcagtgc atttgagggg 180
ctctgatcta actacctcag caatcttagc tccggtaggg tcccctattg cccacaggac 240
ccagagtttg ttccctgcat actcaactgt accttggtgt tactgtctat gtaaacgttt 300
tggggacttg tgcacaaata atgtgattcc ttacagagaa aagctgtatt ttttttagtg 360
taagtgggct tttctagggg attttaaagt tcaatgaatt taaagctgtg gagacaaaac 420
attcctgtat ttttttttgt ttcttttaaaa gtcaagactt tgtgttgtaa ccacacatgc 480
acacaaaatc ctgaatagta gtattgtaaa tcttgacatt tgtagtgttt ttctcatttt 540
aaaaatgaat atataccagc ctgagcaatt tggcgaaacc tcctctctac aaaaaatata 600
aaaaattagc caggcgtggg ggtgcacacc tgtggtccca gctacttagg aggctgatgt 660
gggaggacca cctgagcctg ggaggctcag gctgcagtga 700

```

<210> 1274

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1274

```

gtattgtaaa tcttgacatt tgtagtgttt ttctcatttt aaaaatgaat atataccagc 60
ctgagcaatt tggcgaaacc tcctctctac aaaaaatata aaaaattagc caggcgtggg 120
ggtgcacacc tgtggtccca gctacttagg aggctgatgt gggaggacca cctgagcctg 180
ggaggctcag gctgcagtga gttgtgattg tgccactgca ctccagcctg ggcgttgagg 240
tgagaccatc tctccaaaaa aattatatat atacacatag tttattaaag gcaaaagagg 300
ttgaggcttc atgctaggag cattggagga ctgcggggtt tttcaaccag gggaggcgag 360
gtgaagctca ggtgcacctg ctgtggggga aaggatgaga aagttcaagg cagcagggtg 420
gccagtgagg agatattggg agtcctctgg aagacagggt gtgggaagct ggactaggta 480
ggttcttacg ggggtggagag gactgggtga agggaagcgc tctcacagct gacttctatt 540
gagtggcact tgtgaagtgt ggagaactaa gttcttttca tggctgaact tgttaatcct 600
catgatgaac tgtgaggcag gtgctgttat tagccccatt ttccagatga agaaactgag 660
tctcagagaa gctgagctga tgtagctagg aagtgcacatc 700

```

<210> 1275

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1275

```

gactgggtga agggaagcgc tctcacagct gacttctatt gagtggcact tgtgaagtgt 60
ggagaactaa gttcttttca tggctgaact tgttaatcct catgatgaac tgtgaggcag 120
gtgctgttat tagccccatt ttccagatga agaaactgag tctcagagaa gctgagctga 180
tgtagctagg aagtgcacatc actgggactg agataagcag aacagtccaa cccagaggct 240
gagcaccccc tgggcagcat cggacaatga cggccttaaa ggatgatgcc atgtggcagg 300
aggggacagc aggggtgagga tgagatgtaa ccactctgat tactgacggg gagatccctg 360
aggcctctgg cggagttagt tcagtgtatg gtggggcaaa gcctctggca gtgggctgag 420
aagcgaagtga cggtgagacg gagggtagaa gattctttga agttttatct tgaaggaaag 480
agggggatgg ggcagccaga ggagtcacag ggtcagagac gcaccttcca cacagaagtt 540
tgagctcctt cctctcttaa ggaggtgagc cgggaatggg tgagatggct ggccggccag 600
cacaggcaga gccccaccat cagctgtcac gggctcctcg cagagagctc aggggaagggc 660

```

tgccctgggtg gccaggtcca tctgggtggg gtaggtgcag

700

<210> 1276

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1276

```

ggagtcacag ggtcagagac gcaccttcca cacagaagtt tgagctcctt cctctcttaa 60
ggaggtgagc cgggaatggg tgagatggct ggccggccag cacaggcaga gcccaccat 120
cagctgtcac gggctcctcg cagagagctc aggggaagggc tgccctgggtg gccaggtcca 180
tctgggtggg gtaggtgcag tgggggtggc ctggttggtc cacagggttg tgggtgggagg 240
ggacaatggc ttctgtgttc tctgtgaaat agaggtcaag tcagcccctg aggtggggct 300
agaagcaata aggggtggta gggttggtgg cttgagctgt gactacctgg aggtgacctt 360
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ggcaagaata tggaatggaa ggcccagag gcaggagtg gggccatggg aggaggctgg 480
gatgggcagg gaggccagct gggcagagca aaggaggcag gaggtggtgc agccccggac 540
cccgagagg cccagtgact gcagcccaat acctgctgcc gttcgatgaa ccaggaggga 600
atggaggggac atgttcctaa aagcaaacct cattccaaag gggctgcca ggatatctgg 660
gtagttggcc accacagcgc ttcngtgagc ccttgaccg 700

```

<210> 1277

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1277

```

gggcagagca aaggaggcag gaggtggtgc agccccggac ccggagagg cccagtgact 60
gcagcccaat acctgctgcc gttcgatgaa ccaggaggga atggaggggac atgttcctaa 120
aagcaaacct cattccaaag gggctgcca ggatatctgg gtagttggcc accacagcgc 180
ttcngtgagc ccttgaccg aggcatagcc tgggtcatcc tgggggtctc cttcaagggt 240
tgccctgact ctataggagc ttcatgcaaa atcatgggca ccacttccct cctccagagg 300
cgacagtcc ggcagccctt gaggagagac ctggtcccct gtaagatggt gattccacct 360
caggcctttg tgtcaacca gcccggtta ggggaaacct cctttgtggg ctgggctgat 420
tgctatcaag aagggaatg agcacacgtg cccacccctg gggcaggcat gagggagggt 480
gtgccagggc ccggacagga gagccagccc aagactgcag ccagggtct gccaaagccc 540
tgagggtttc aggaggggtc tctggacccc tgtctaattg atccctgtgg gcctgaccn 600
nccctnnngn nnnngncacn ttgttggaag tcctggccct canggtccag tccaactaga 660
ggtacatgcc tccttcttcc catcactcac cccacaggc 700

```

<210> 1278

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1278

```

gagccagccc aagactgcag cccaggggtct gccaaagccc tggaggtttc aggaggggtc 60
tctggacccc tgtctaattg atccctgtgg gctgaccen nccctnnngn nnnngncacn 120
ttgttggaag tcctggccct canggtccag tccaaactaga ggtacatgcc tccttcttcc 180
catcactcac cccacagggc ctagtggaaat tttctggggg acccgccaca ggcaagaacc 240
tgggcctcag tcaactgtgac aagctcctcc gccacccttt ccatggcatc acaagtgtca 300
gatttaatat gcccatgacc tcggttgat ttcgctggg ggccctgatg acatcgctctg 360
gttttgtcac cacaaangca gctcaggggt cttggccagc caagcagtgc aaccagatgt 420
ccccgtctca cctgagcaga gagctcagga aaaagccacc gagcgggccc agctggagag 480
ccctggcctc ctgtcccaan cnngntctgc actccatccc caagacctac acagcctcca 540
cctgtgcacc ctgccttttc tattccctgc tgcaggggtc tggcttcctt ggggcccagt 600
cggngcagag cagaccctcc atcccaggc cagtctaata gagaagacag ttggagaatc 660
cccatttaga atgatatgcc tgtgggagac agaagcccag 700

```

<210> 1279

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1279

```

cnngntctgc actccatccc caagacctac acagcctcca cctgtgcacc ctgccttttc 60
tattccctgc tgcaggggtc tggcttcctt ggggcccagt cggngcagag cagaccctcc 120
atcccaggcc cagtctaata gagaagacag ttggagaatc cccatttaga atgatatgcc 180
tgtgggagac agaagcccag aaatgaggca gcctcatcca gcctgcacca tcagagaaga 240
caggaggaaa ggacagctat gacctaaagg atgatctgga gccaggcaag ccacagaaga 300
agtgttcctt agggagtgtc ggggttgggg ctgcaggtgc tccatctgtt ggctcaatc 360
cagggctcca atatctggat acctgggggt gccatattgt tcctattgtt attaataagt 420
tatgggcttt cagtgtctgt cactctcttg ttaccacct gaaatacaaa gctttggaag 480
atgcattcct attgcattta tcatatctat cgcagacaaa accaagagct ccccgttctc 540
aaagaagctg ccccaaact gtgaggtgac aaggttgggg cataaatgct aagaacctgg 600
cagtcaggc cctcaggaaa tgctctctta agtgggggag acttcacatg gagcattagt 660
tgtgtagatg atgttgccat gcgaagtctt gtctgcctcc 700

```

<210> 1280

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1280

```

tcatatctat cgcagacaaa accaagagct ccccgttctc aaagaagctg cccccaaact 60
gtgaggtgac aaggttgggg cataaatgct aagaacctgg cagtccaggc cctcaggaaa 120
tgctctctta agtgggggag acttcacatg gagcattagt tgtgtagatg atgttgccat 180
gcgaagtctt gtctgcctcc cagggagaga ggggaagggc cggcctgggt gggcagctgc 240
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acccagggtg gctcagagcc aggtgcctc tcagccgtgc ctgctctgtc ttatcttctc 360
tgggtgaggtg aggagaaacc tttacattg tttccagcct tactgatctt ttctttacag 420
aaaatgatga ataagttgat gtgtttgtcg tggaggttcc atatcagaaa agagtatcag 480
tccactgggg cttctcccca cacctcatca tccccccaa cccccacacc ccctgaatct 540
cctgcaccgc cctcaccctg gctgggcctt tacagaggat gtgggcccagg ccacttcaga 600
tccacacagg ttagggaaga ccacgtacc tccaagcagt acagatatgt ggagaccgtt 660
ttgcctcccc ctctctctca tccttcttcc tctcagcctc 700

```

<210> 1281

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1281

```

cacctcatca tcccccccaa cccccacacc ccctgaatct cctgcaccgc cctcacccgt 60
gctggggcctt tacagaggat gtggggccagg ccacttcaga tccacacagg ttaggggaaga 120
ccacggtacc tccaagcagt acagatatgt ggagaccggt ttgcctcccc ctctctctca 180
tccttcttcc tctcagcctc caaaagcccc taccacaaat ggccattaga atccagacta 240
aagacaactt cttgaacatc atccttgaaa tccagtggca actgagcacg ccctctatga 300
gtagctggtg ccagatgggc acagggtagg aacagctccg ctcgggccca ggccaggcac 360
tcatgggttc ttgctcttcc cctgcagaaa ggtgagatcc aggagcaatg gatcctgagg 420
tgggcacaca gccccgaagt cccactgccc tccctaccag tcgtcactgc cattgtattg 480
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agtcagcctt tatctggcat cttcactgca gatgcatcca ccagcctatt ctttgcctca 600
tggaggatgt gcgtggtaga tgttctttgc caagtgtggg agttgtaata ttcacattgg 660
cacagctggc ttcttcttct ttgcatcctg gaagctgggt 700

```

<210> 1282

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1282

```

gggcacattt gggtagggcg cacctgcagg gtcacactgg agtcagcctt tatctggcat 60
cttcactgca gatgcatcca ccagcctatt ctttgcctca tggaggatgt gcgtggtaga 120
tgttctttgc caagtgtggg agttgtaata ttcacattgg cacagctggc ttcttcttct 180
ttgcatccctg gaagctgggt cagaaagtgc ccgtataccc caggcccttg cccagtgcac 240
ctggagccag gaggcatgat ggtccctgcc ctgcccggcct gtgtcagact gtgctgtgac 300
ccgcttggtt gctgtgtctc taaagcagct gggttcctcc tggggcctgg gcaggacaga 360
gctggggggag gtgatggggg aactagtga gggcacccca gaaaggaggc agggggaatgg 420
caaacaaggc cacaaggaca gcccttcctg gccgtaccac acacacttgg cccctgtaga 480
acaccacctt tctgaagcct aacctggctg ccttactgaa cacctcaaag ctctttaaac 540
ctcatcttct ttatccattt ggaacaatcc aaagatgatt gaggtgtgtg aggctgggga 600
gcgtccctct gtcactggag tctctgtgtt cccagaagag cccgttccgg gtcaaagtac 660
ctgccccttg cctgcccctt cccaaacagg aacagcattt 700

```

<210> 1283

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1283

```

aacctggctg ccttactgaa cacctcaaag ctctttaaac ctcatcttct ttatccattt 60
ggaacaatcc aaagatgatt gaggtgtgtg aggctgggga gcgtccctct gtcactggag 120
tctctgtgtt cccagaagag cccgttccgg gtcaaagtac ctgcccttgt cctgcccttt 180
cccaaacagg aacagcattt cactccacc tctgcccccc aggttcttcc cctctccact 240
gccagcagcc cctccagggc tgggccaggg ccaccacca ggaccttctc agtcttttca 300
aaaggccctc ctggtctatt tggcttccag aagctgactg gcctcttttg tctctggccc 360
acaggaactc ctgcaaacct tgcccatctc cacacctaca ccccaggga gctgccacct 420
gggctgggat gccactgcc ccaggctgag caaggtaacct gccacgaccc ttccaccttc 480
tctacacctg acccaatgtt ctggtttctt caagggaacac acagcggtctg cacatcgaag 540
aaagcaattc taataacttg ttgaatagct tcccgagaac cctgggtgat gttgggctct 600
tgctaccaac caaatctctc atgcctttgt tcaggctctt gaactcccag gcctgagagc 660
tgggctcagg tctgggtca ccaatattcc ttctcgatat 700

```

<210> 1284

<211> 566

<212> DNA

<213> Homo sapiens

```

<400> 1284
ctggttttctt caagggaaaa acagcggtctg cacatcgaag aaagcaattc taataacttg 60
ttgaatagct tcccgagAAC cctgggtgat gttgggctct tgctaccaac caaatctctc 120
atgcctttgt tcaggctctt gaactcccag gcctgagagc tgggctcagg tcctgggtca 180
ccaatattcc ttctcgatat cccaggaata ctccactcct tgttacagac gttggcagtt 240
gaaagttag ctctggaatg agccgctcag ttttcatctt ggggatactg acaatcatgt 300
gtatttatgt tgcagattac ttaacggtta ttcactttgt tgtgaaaata ttttatttta 360
ttaaggagc cctcttagga gcctctgagc agagctcaga gcgggtacga gagcatctac 420
atttctctct caggtttcag taaattcctt ctctctctgg aaagttagca cttttagtag 480
ggtccctttg tcagcagtgc tgcatttcta gaaggcttct ccatttgact tgggtctctgg 540
ttgcaatttc cacactccac agttaa 566

```

<210> 1285

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 1285
cactgcaacc tctgcctcct ggggtcaagca gttctcctgc ctcagcctcc tgagtagctg 60
ggattacatg ngactgccac cacaccagc taatTTTTTg tatttttagt aaagatgagg 120
tttactatg ttggccaggc tgggtctcaaa ttcttgacct cagggtgatcc acctgcctca 180
gccnncnna nngnnnnngn nnnnnnnng nnnnnnnng tgcccagcca acaatatgct 240
ttattatctg atagagctag tctctactta ttactcttct atttcagAAC cttcctagct 300
attcttccat gcttattctc cctaaggcat tttggatca ttttgtaaa agtcctactt 360
accatttcac tttctgcac tgctctaagg tttctggaag agtcattccc aaactttcag 420
ggaaaaaaag ggtgaagatt ccaatcagga cagtcagact acctatgacg atgtaggagg 480
gcattctgtt gtaagcacct gtaaagccc ggacataaga acatcaatca gataggagga 540
ctctctgggc actcttgagc atcattttgt gaagttgggt aacagtataa gagaatggat 600
ttaaatctga acattttcag agaaaaaaa gtaagcaaaa tatcagtttc tttttggcag 660
atgacattgt gcatgtctat aatcctttt cattatcata 700

```

<210> 1286

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 1286
gtaaagccc ggacataaga acatcaatca gataggagga ctctctgggc actcttgagc 60
atcattttgt gaagttgggt aacagtataa gagaatggat ttaaatctga acattttcag 120
agaaaaaaa gtaagcaaaa tatcagtttc tttttggcag atgacattgt gcatgtctat 180
aatccttttg cattatcata aggtttttca ttctttcctg tcaactggta tcctctaagc 240
tactactcag tcatgtgtga cagatgttcc tttggtagag ttctttgcct accagagttc 300
tcctcttaag gtggaggtaa ttggaaatgg gggatgggag gacatcaagg agaaggagg 360
taaccaggat gtttcaggga taggttttgg cnatgatagg tctggcatga ctctgctttt 420
gccccaaacta gtaggctgca gtggaaagt aggtccacag ggctatgaga ctcaaaaaaa 480
aaaaaaaaa aaaaaaaac aactaagtat tatgttccact tcagattaaa tcagtaaat 540
ataagtatca ggcacattct gtaaaggcac tgtgtgcctg gattttggct ctttttggag 600
cattacatg tcttgggtta atatgtaatc tctttgtgaa gctttactca cacaggagaa 660
aaacagatcc tcatcttgct ttgcccctgt atacatacag 700

```

<210> 1287

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1287

```

aactaagtat tatgttcact tcagattaaa tcagtaaatt ataagtatca ggcacattct 60
gtaaaggcac tgttgtgcctg gatttggctt ctttttggag cacttacatg tcttgggtta 120
atatgtaatc tctttgtgaa gctttactca cacaggagaa aaacagatcc tcatcttgct 180
ttgccccctgt atacatacag agcttacaga ggaacagcac acccatggat ttcatttgac 240
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gagtagctgt gtggagtagg agactcttgg actccctgtc ttatgtacca gtgtctgacc 360
actggaccat ctgagcatag tttgaaatag tttgaaagta cagggaagga caaagggaaa 420
aataacacca ctctgtataa tctgctatct cagggtgtggc acagggcaac tgtgcagaat 480
atgtttgtta ggaaaatgtt tctctttctc tgtaagggtt tggattatac ctttcctgag 540
aattcataca tgttttcagg tgtgtgtgtg tgtgtgtgtg tgtgtgtacg tgtgtaccag 600
taggtaacca attgcccatt tgatgaggtg tgtctgcatt tctcaccagt agagtcctta 660
atgaggacca ggcattgggt gtcagatcct acatcagatt 700

```

<210> 1288

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1288

```

tctctttctc tgtaagggtt tggattatac ctttcctgag aattcataca tgttttcagg 60
tgtgtgtgtg tgtgtgtgtg tgtgtgtacg tgtgtaccag taggtaacca attgcccatt 120
tgatgaggtg tgtctgcatt tctcaccagt agagtcctta atgaggacca ggcattgggt 180
gtcagatcct acatcagatt gaacatgccg ctgaaacacc tctgtagttt catttcagat 240
tgacaccttt gagtatataa aaactaaaat tgtcttcatt acaaagatat cataaagtga 300
aaatacaaat ggtaaaactag gaaaaatatt tacaacatat atacaagggg ctaatttctt 360
ccattgcaaa gagtttgac aagtcaaaaa gaaaaagatg aatacacctg ttgcaggaag 420
ttagggaccc cgaaaggagg gactggctga agccatggca gaagaatgtg gatttgtgaag 480
atttcatgga catttattag ttcccccatt taatactttt ataatttctt acgcctgtct 540
ttactgcaat ctctgaacat aaattgtgaa gatttcatgg acacttatca cttccccaat 600
caacaccctt gtgatttctt atgcctgtct ttaatctctt aatcccgtca tcttcataag 660
ctgaggagga tgtatgtcgc ctcaggaccc tgtgatgatt 700

```

<210> 1289

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1289

```

ttcccccatt taatactttt ataatttctt acgcctgtct ttactgcaat ctctgaacat 60
aaattgtgaa gatttcatgg acacttatca cttccccaat caacaccctt gtgatttctt 120
atgcctgtct ttaatctctt aatcccgtca tcttcataag ctgaggagga tgtatgtcgc 180
ctcaggaccc tgtgatgatt gcgttaactg cacaaattgt ttgtagagca tgtgtgtttg 240
aacaatacga aatctgggca ccttgaaaaa agaacaggat aacagcaatg ttcaggggaa 300
aagagagata accttaaaact ctgaccgctg gtgagtcggg cagaacagag ccatatttct 360
cttctttcaa agttaaattg gagaaatatc gctgaattct ttttctcagc aaggaacatc 420
cctgagaaag acaattcgct cctgagggta ggcctctaaa atggccactt tgggggcagc 480
tgtcttttac gggtgnagct gtagggatga aataagcccc agtctcccgt agcactccca 540
ggcttggttag gatgaggaaa ttcccaccta ataaattttg gtcagaccgg ttgtctgtct 600

```



```
tcaaaccctg tttcctgata agatgttata aatgacaatg cgtgccccaa acttcattag 660
caattttaat tttgccccgg tctgtggttc ctgtgatctc 700
```

```
<210> 1290
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 1290
gtagggatga aataagcccc agtctcccgt agcactccca ggcttggttag gatgaggaaa 60
ttcccaccta ataaatTTTT gtcagaccgg ttgtctgctc tcaaaccctg tttcctgata 120
agatgttata aatgacaatg cgtgccccaa acttcattag caattttaat tttgccccgg 180
tctgtggttc ctgtgatctc accctgcctc catttgccct gtgatattct attaccttgt 240
gaagcacgtg atctctgtga cctacaccct attcgtacac tccctcccct tttgaaatca 300
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tgttcccccc ggacacctag ctttaaaatt tctctctttt gtactctgtc cctttatttc 420
tcagaccagc tggcacttag ggaaaataga aaagaancct atgtgaatta tcagggctga 480
atTTTgcccG atatacacca ttaaagaatg ggcaaagaag gccaggcaca gtggctcatg 540
tctgttatcc cagcactttg ggaggccaag gcagggtggat cacctgaggt caggggtttg 600
agaccagcct gaccaatatg atgaaacccc atctctacta aaaatacaaa aaaaaanaaa 660
aaattagccg gacatggttg catgcgcctg tagtcccagc 700
```

```
<210> 1291
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 1291
ttaaagaatg ggcaaagaag gccaggcaca gtggctcatg tctgttatcc cagcactttg 60
ggaggccaag gcagggtggat cacctgaggt caggggtttg agaccagcct gaccaatatg 120
atgaaacccc atctctacta aaaatacaaa aaaaaanaaa aaattagccg gacatggttg 180
catgcgcctg tagtcccagc aactcaggag gttgaggcag gagaattgat tgaaccagg 240
cggcggaggt tgcagtgagc tgagattgct cactgtanc tccagcctgg gtgacagagt 300
gagactccat ctccaaaaaa aaaaaaagg gcaaagaaca tgagcagtcg gttcactgaa 360
aaataaataa aatggccaaa aaatacacaa aaacatgctc aacctcattc ataattaata 420
aataggaatg aaagtaacaa tgatatccat ttttcacata acagataacc aatgattaaa 480
aaattaggcc aggtgctgtg gctcaaacct gtaatcccag cactttggga ggttgaggcg 540
ggtggatcac ttgagcccag gagttngaaa ccagcctggg caaactggca aaatcccgtc 600
tntaccagaa aaaaaaaaaa attagctggg cttgacggtg tgcatgcctg tagttccagc 660
tagttggggag tctgaggttg gaggatctct tgagcctggg 700
```

```
<210> 1292
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
```

<223> n = A,T,C or G

<400> 1292

```

gctcaaacct gtaatcccag cacttttgga ggttgaggcg ggtggatcac ttgagcccag 60
gagttngaaa ccagcctggg caaactggca aaatcccgtc tntaccagaa aaaaaaaaaa 120
attagctggg cttgacggtg tgcattgctg tagttccagc tagttgggag tctgaggtgg 180
gaggatctct tgagcctggg ggattgaggg tgcagtgagc tgggaatcta ggatcgcacc 240
actacactcc agagtggagc cctgtctcag aaaaaaaaaa aaaaaaaaga attaggtaat 300
ctttattggt ggtgagatta ttgaaaacca ctcttaccta ttaataatta gattataatt 360
ggcacaatat gtagagttca atttgggaat atctatgaaa ttttttaatg gctctctttg 420
ctccaggaat tttacttcta tgaatctacc tgtaaatacca aatatacgta agtaaattca 480
caaaggggtg aggagcatgt gnagaatggt cggtgtaatg nttattttgta atagcaaaaa 540
cctggaaatg acctacatgt cctccattca ttggagcctg gttaaataaa ttatgtgttt 600
cnagtataaa agtaagattt tncattgtga aaacttcaaa tggcatggaa tgtactggaa 660
aaaagtacaa gttcacctcc cctctcccag gaggatccct 700

```

<210> 1293

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1293

```

gnagaatggt cggtgtaatg nttattttgta atagcaaaaa cctggaaatg acctacatgt 60
cctccattca ttggagcctg gttaaataaa ttatgtgttt cnagtataaa agtaagattt 120
tncattgtga aaacttcaaa tggcatggaa tgtactggaa aaaagtacaa gttcacctcc 180
cctctcccag gaggatccct agaaaaccaa catgaactgt ttggtgagta gccctacaga 240
catttttggt tgcacaacat tatgtacaca cacacatata tatataattt ttanacggc 300
actctttgct ccaggaattt tacttctgtg aatctatctg tagattatac ttacatatac 360
ttatttttaa atgtacttat atacattttt aaaaggaggt acctatttaa aaagaaggta 420
aaggagcaat atgtaactat ttggaaggat attctgatac aatgttaagt ttaaaaagtt 480
ttaacatata taatgttatt tgtgtgttta ttctttttat tttttattat ttttatttat 540
ttttgagaca gagttttgct nttgttgccc aggttggagt gcagtgggtg aatcttgact 600
cactgcagcc tctgcctcct gggttcaagc aattctccta cctcagcctc cagagtagcc 660
gggattacag gcacctgccg gcacacctgg ctaatttttt 700

```

<210> 1294

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1294

```

tgtgtgttta ttctttttat tttttattat ttttatttat ttttgagaca gagttttgct 60
nttgttgccc aggttggagt gcagtgggtg aatcttgact cactgcagcc tctgcctcct 120
gggttcaagc aattctccta cctcagcctc cagagtagcc gggattacag gcacctgccg 180
gcacacctgg ctaatttttt tatttttagt agagacaggg ttccaccatg ctggccaggc 240
tggtcttgaa ctccctggcct caggatgatc acctaccttg gcctnccaaa gtgctgggat 300
tacatgcntg agccaccacg cctgagttgc nngtgtgttt aaaaaattat atacatacnt 360
gngnacatga tgnngtgcaa aacaaantgt ctgnancnct actcaccagt ttngnatngg 420
ctttctagag ctctcctcct gagaggagag gngaacttgt actttntttc cngtacattc 480

```

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```
tatgctatatt gacgtttttca caatgaaaat cttacttttta ncattgaaaa ctaattttaaa 540
ggaagaacaa atgcacaaga tgcagctcac cgaggtaaac aaagtagggg gcaatgatgc 600
tgcccactct ggaggccgtg gatgtgaccc ccaccgcat gttcctgacc agggttgggt 660
agagctcagc agtgaagaca tacagcatgg agaaagcaga 700
```

<210> 1295
<211> 45
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(45)
<223> n = A,T,C or G

<400> 1295
aaacttcctg tgcaaccag antatcacct ttgaaagttt caaag 45

<210> 1296
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(57)
<223> n = A,T,C or G

<400> 1296
atttccttcc ccttgatgata atgtctctcg tnataaggat cctggagtga ctcaagc 57

<210> 1297
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(66)
<223> n = A,T,C or G

<400> 1297
acacgcatag gaaactcctt ccagagggtt ttcncctgtc tctgtaggaa ggggggcccc 60
agaggg 66

<210> 1298
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(53)
<223> n = A,T,C or G

<400> 1298
aaaggaaact tcctgtgcaa cccagantat cacctttgaa agtttcaaag aga 53

<210> 1299

<211> 47
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(47)
 <223> n = A,T,C or G

<400> 1299
 ctgggaaccc aaacatcctg gagaanagct gagaacctac caaggga 47

<210> 1300
 <211> 59
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(59)
 <223> n = A,T,C or G

<400> 1300
 agacagaaaa ttagcttaga gatgggaggt ggcangatct ctaaagctgt cccgctgcc 59

<210> 1301
 <211> 62
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(62)
 <223> n = A,T,C or G

<400> 1301
 atgggaggtg gcacgatctc taaagctgtc cngctgccat tcaggagtgc ctcatgcata 60
 ag 62

<210> 1302
 <211> 51
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(51)
 <223> n = A,T,C or G

<400> 1302
 ggctacttga aagatccaga caggangaag gaggccctgg acagcgatgg c 51

<210> 1303
 <211> 53
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<210> 1304
<211> 32
<212> DNA
<213> Homo sapiens
```

```
<210> 1305
<211> 30
<212> DNA
<213> Homo sapiens
```

```
<210> 1306
<211> 28
<212> DNA
<213> Homo sapiens
```

```
<210> 1307
<211> 29
<212> DNA
<213> Homo sapiens
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<210> 1308

<211> 56
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(56)
 <223> n = A,T,C or G

<400> 1308
 tagaagcaga aggtggttgt ggcctcnctg gtgtgggact ttctgccccca ctgcac 56

<210> 1309
 <211> 63
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(63)
 <223> n = A,T,C or G

<400> 1309
 tcatggcggg gtgtctgtga cctgagagag gntcagatgg aagaagcctg ggtgaggaat 60
 gag 63

<210> 1310
 <211> 48
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(48)
 <223> n = A,T,C or G

<400> 1310
 aaggccctca ttgattcatg attangtggt ttgttggtgt ccatgcct 48

<210> 1311
 <211> 69
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(69)
 <223> n = A,T,C or G

<400> 1311
 ctttcatgta gaaagagcta gtagtacttg attntataat gcttaccatg tccatatgaa 60
 caagcttcc 69

<210> 1312
 <211> 52
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(52)
 <223> n = A,T,C or G

<400> 1312
 tccttctca caaactccta agtaccnga gagcaatagg actcctgtta aa 52

<210> 1313
 <211> 48
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(48)
 <223> n = A,T,C or G

<400> 1313
 gggttttgtg tatctaaaat agngacctc agccttaaaa cctcatct 48

<210> 1314
 <211> 50
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(50)
 <223> n = A,T,C or G

<400> 1314
 tggaaaaatc aattaccctt gtattacntg tgtggagaaa tgaaggcatt 50

<210> 1315
 <211> 62
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(62)
 <223> n = A,T,C or G

<400> 1315
 aatttattta ttgtcttta aataagtgan ctctctgctc atttgattc tgctatctcg 60
 ta 62

<210> 1316
 <211> 59
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(59)
 <223> n = A,T,C or G

<400> 1316
 ttatttattt gcttttaaat aagtgactct nctgctcatt tggattctgc tatctcgta 59

<210> 1317
 <211> 59
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(59)
 <223> n = A,T,C or G

<400> 1317
 gcaatgctgt ttttttcttt agtatacaaa ntgaatcctt ctttccctca aaagcttga 59

<210> 1318
 <211> 59
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(59)
 <223> n = A,T,C or G

<400> 1318
 cccccacat ctctcggtgg gcgaagggan aatggatatct ttaataccaa aaagataat 59

<210> 1319
 <211> 59
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(59)
 <223> n = A,T,C or G

<400> 1319
 atctttgagg ctttatgaac cacatatggt ngaaaacatt gttggcctcc tggcacaga 59

<210> 1320
 <211> 42
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(42)
 <223> n = A,T,C or G

<400> 1320
 ccatctatgt aggtaacnga ggcaaagcaa gggctaggga ga

42

<210> 1321
 <211> 58
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(58)

<223> n = A,T,C or G

<400> 1321

gggaggcaga cattaggcaa ataatnacat ggatctctga aaaacatagc tcctacga 58

<210> 1322

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(50)

<223> n = A,T,C or G

<400> 1322

agaggaatgg ggtggagttg gcagnggggc tggttctcgg ctctccccga 50

<210> 1323

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(50)

<223> n = A,T,C or G

<400> 1323

ctggcttagg ccaaagaact ggccangtta cagttcccac agagtaccg 50

<210> 1324

<211> 53

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(53)

<223> n = A,T,C or G

<400> 1324

agggtgagtg aggtgtacta gggantctgg acactgagcc cctgaagttg ggg 53

<210> 1325

<211> 45

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(45)

<223> n = A,T,C or G

<400> 1325

gcggctgcag ggggaggcac aagcntgggc caggcgccaa gcggc 45

<210> 1326

<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(61)
<223> n = A,T,C or G

<400> 1326
ctgggtaaaa caggctgccc tggacaaagc nggaaacaga atgaggctcc aggcgttgat 60
t 61

<210> 1327
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(60)
<223> n = A,T,C or G

<400> 1327
ccacattttc ttaatccagt ctatcattgn tggacatttg ggttggttcc aagtctttgc 60

<210> 1328
<211> 60
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(60)
<223> n = A,T,C or G

<400> 1328
tccttcacag gacaggaatt ctgcaaaana aacatttcat tagcttgcat tggtaagcat 60

<210> 1329
<211> 57
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(57)
<223> n = A,T,C or G

<400> 1329
aaatgggttac tgtataccat tacctatctg ctttnggggt gggtaggcgcg gggggga 57

<210> 1330
<211> 62
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(62)
 <223> n = A,T,C or G

<400> 1330
 aataggtgtc gatttgcagt gacaatgtga gncaattagt ttatcaggag aagctaacga 60
 tg 62

<210> 1331
 <211> 61
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(61)
 <223> n = A,T,C or G

<400> 1331
 tgaacttttag ctctcttttgg taaataggaa atngctccaa ctacttgtcc acccaagaaa 60
 c 61

<210> 1332
 <211> 63
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(63)
 <223> n = A,T,C or G

<400> 1332
 tatctgccgc cctccctctc acagcttgtc agncttcac taattggaaa agccagatgc 60
 tcg 63

<210> 1333
 <211> 67
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(67)
 <223> n = A,T,C or G

<400> 1333
 tcccctcccc ttgtttcgtc cegatctctg ttncatctt atctcatggg gaggatttct 60
 ccaacct 67

<210> 1334
 <211> 62
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(62)

<223> n = A,T,C or G

<400> 1334

ctctttgcta acatatttaa tatttaaata cnaggaaaa caataaatta ctcgttggt 60
ga 62

<210> 1335

<211> 52

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(52)

<223> n = A,T,C or G

<400> 1335

atgtcgcctt ttctgtctt tccctenttt tcttagaagt cctccagaaa cc 52

<210> 1336

<211> 57

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(57)

<223> n = A,T,C or G

<400> 1336

ctggagtgcc gctacttggc cgtgtgaccc cctacgggc ctgtttccta atctgta 57

<210> 1337

<211> 64

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(64)

<223> n = A,T,C or G

<400> 1337

ataatgcaga acaaattaga gaaaaactcc ngtcaggctc tccactcacc catggctggt 60
ggct 64

<210> 1338

<211> 57

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(57)

<223> n = A,T,C or G

<400> 1338

aaacaaacaa tgcccggcag agtcaccngg gctggccatt tgaaaagagt acatcag 57

<210> 1339

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(58)

<223> n = A,T,C or G

<400> 1339

gggagggctc ctggaacca gagagaccng taggagggga ctgccggcag gagctgtg 58

<210> 1340

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(63)

<223> n = A,T,C or G

<400> 1340

gcggcatctc catccttcca atgaacttga gcntgagcaa tgaacttgag tgtacagtct 60
cat 63

<210> 1341

<211> 63

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(63)

<223> n = A,T,C or G

<400> 1341

tactttatct tcaattcgca gttgggtgaa aaantctgca aatacgtagc cctcccagtt 60
caa 63

<210> 1342

<211> 65

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(65)

<223> n = A,T,C or G

<400> 1342

cagtagtgct aggaaagaga tgtggattac tgcntctgtg caatgataaa gcagtaagtt 60
atccg 65

<210> 1343

<211> 56

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(56)
 <223> n = A,T,C or G

<400> 1343
 tgtagtaaaa acattcaaaa tcctctcttc nagctatcaa gttattttgt aatttg 56

<210> 1344
 <211> 61
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(61)
 <223> n = A,T,C or G

<400> 1344
 ctaaactggg gtcataatttc ctcacagcc ncattctgct aatgccagat gccctgggaa 60
 g 61

<210> 1345
 <211> 57
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(57)
 <223> n = A,T,C or G

<400> 1345
 tctgctaata ccagatgccc tgggaagntc ttcactgcc tcttgggaagg atgcaga 57

<210> 1346
 <211> 49
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(49)
 <223> n = A,T,C or G

<400> 1346
 cctgggaaga tcttcactgc catcntggaa ggatgcagaa tgtggtgat 49

<210> 1347
 <211> 59
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(59)
 <223> n = A,T,C or G

<400> 1347

ctgctcccat cttccctata ccatgtctga ncccttgagc cataacatgg atggacagc 59

<210> 1348
 <211> 54
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(54)
 <223> n = A,T,C or G

<400> 1348
 aagctacaca agatggggcat ttggcctttn accaacatgc ttgttccttg actt 54

<210> 1349
 <211> 61
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(61)
 <223> n = A,T,C or G

<400> 1349
 cagcaaacc catgcaaaca ttcagcattt canggctgag gccacacaca gaagccatca 60
 g 61

<210> 1350
 <211> 52
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(52)
 <223> n = A,T,C or G

<400> 1350
 aaaccccatg caaacattca gcatttcacn gctgaggcca cacacagaag cc 52

<210> 1351
 <211> 57
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(57)
 <223> n = A,T,C or G

<400> 1351
 ggtagccac agatgtttct gtggctacca acngagaaaa gccatctttt aaacagc 57

<210> 1352
 <211> 69
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(69)
 <223> n = A,T,C or G

<400> 1352
 gccatctttt aaacagcaga aatctcactc gttcnctgt cccactctct ccctgtcaat 60
 cccaggac 69

<210> 1353
 <211> 64
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(64)
 <223> n = A,T,C or G

<400> 1353
 ccattctgaga cctcatcagc cagccttca ctttccanat caccatcagc attctggta 60
 caac 64

<210> 1354
 <211> 38
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(38)
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ctcagaaaaa caaaacanaa caaaaagaaa c
31

<210> 1363
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<212> DNA
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<400> 1363
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25

<210> 1364
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<210> 1365
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<212> DNA
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30

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<210> 1366
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<400> 1366
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23

<210> 1367
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<400> 1367
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26

<210> 1368
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<400> 1368
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24

<210> 1369
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 <223> n = A,T,C or G

<400> 1369
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23

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<222> (1)...(25)
<223> n = A,T,C or G

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<210> 1371
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gtgctgggat tanaggtgtg aaccac                26

<210> 1372
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<220>
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<400> 1372
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<210> 1373
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<210> 1374
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<212> DNA
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<400> 1374
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<210> 1375

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<211> 28
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<220>
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<400> 1375
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28

<210> 1376
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 <212> DNA
 <213> Homo sapiens

<220>
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<400> 1376
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26

<210> 1377
 <211> 36
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36

<210> 1378
 <211> 37
 <212> DNA
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<220>
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<400> 1378
 tccctccttg agtgcctca ncggttcct ggggtac

37

<210> 1379
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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<223> n = A,T,C or G
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 <210> 1380
 <211> 22
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 <400> 1381
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 <210> 1382
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 <222> (1)...(33)
 <223> n = A,T,C or G
 <400> 1382
 aagggtgctg cagctccnaa ggagtgttta gaa 33
 <210> 1383
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 <223> n = A,T,C or G
 <400> 1383
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 <210> 1384
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<212> DNA
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<400> 1384
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36

<210> 1385
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<220>
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<223> n = A,T,C or G

<400> 1385
ggtggtatta gagaacangg gattgagagc tgc
33

<210> 1386
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<212> DNA
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<223> n = A,T,C or G

<400> 1386
gcagatTTTT gnttctgtaa at
22

<210> 1387
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<212> DNA
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<223> n = A,T,C or G

<400> 1387
agttcatatt ttaangtttt ttcagg
26

<210> 1388
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<220>
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<400> 1388
 cttcttttact cnttacatat accat 25

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 <212> DNA
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 <220>
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 <400> 1389
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 <210> 1390
 <211> 38
 <212> DNA
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 <400> 1390
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 <210> 1391
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 <400> 1391
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 <210> 1392
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 <400> 1392
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 <210> 1393
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<220>
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<223> n = A,T,C or G

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<212> DNA
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<223> n = A,T,C or G

<400> 1395
atgaaatgag atagtccagc taaangcccg aagag              35

<210> 1396
<211> 19
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<220>
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<400> 1396
agagcaagct naggagctc                                19

<210> 1397
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<212> DNA
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<400> 1397
gctctggacg gcnagccccg gaacc                        25

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<210> 1398
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<400> 1398
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21

<210> 1399
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 <212> DNA
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<400> 1399
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19

<210> 1400
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20

<210> 1401
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 <223> n = A,T,C or G

<400> 1401
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<210> 1402
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<210> 1403
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<400> 1403
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17

<210> 1404
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<212> DNA
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<400> 1404
tgcaatggcn cagtctcagc t
21

<210> 1405
<211> 22
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<400> 1405
ccttgggcac nctactcagc ct
22

<210> 1406
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21

<210> 1407

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<211> 20
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<400> 1408
agcttggtcag ncttcatcta att          23

<210> 1409
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<400> 1410
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<210> 1411
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<223> n = A,T,C or G

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19

<210> 1412

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<212> DNA

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<223> n = A,T,C or G

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21

<210> 1413

<211> 27

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1413

cacacgtca natccaagcc accccaa

27

<210> 1414

<211> 21

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1414

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21

<210> 1415

<211> 19

<212> DNA

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<400> 1415

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19

<210> 1416

<211> 17

<212> DNA
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<210> 1417
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<400> 1418
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<210> 1419
 <211> 28
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 1419
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<210> 1420
 <211> 32
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<400> 1420
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<210> 1421
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<400> 1421
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<210> 1422
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<400> 1422
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<210> 1423
 <211> 36
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<220>
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<400> 1423
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<210> 1424
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<210> 1425
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<220>
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<223> n = A,T,C or G

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gacaaagagg tcagcacntg agtagaacgc                                30

<210> 1426
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<222> (1)...(36)
<223> n = A,T,C or G

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<222> (1)...(35)
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<400> 1429
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<210> 1430
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<220>
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<400> 1430
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<210> 1432
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<400> 1432
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<210> 1433
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<400> 1433
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<210> 1434
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<222> (1)...(37)
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 <400> 1435
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 <210> 1436
 <211> 24
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 <223> n = A,T,C or G

 <400> 1436
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 <210> 1437
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 <400> 1437
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 <400> 1438
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 <210> 1439

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<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 1439
cctgtctttg aatncaaact gctgtc                26

<210> 1440
<211> 19
<212> DNA
<213> Homo sapiens

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<222> (1)...(19)
<223> n = A,T,C or G

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<210> 1441
<211> 36
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1441
atgaaaactc taacggntct tcagcttctt gttcta      36

<210> 1442
<211> 31
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1442
tgattttaga attttattna aaaaaagtca a          31

<210> 1443
<211> 22
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1443

tttttcttat ngcatttttg ct

22

<210> 1444

<211> 25

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(25)

<223> n = A,T,C or G

<400> 1444

aattagccag gngtgggagc gcgca

25

<210> 1445

<211> 29

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(29)

<223> n = A,T,C or G

<400> 1445

ctgacattac cagnggaaaa caatggctg

29

<210> 1446

<211> 19

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 1446

cgagactcca tctggnaaa

19

<210> 1447

<211> 17

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 1447

aaangagttt cctctgg

17

<210> 1448

<211> 29

<212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1448
 cagctttctta tgttgntttt attcctcag

29

<210> 1449
 <211> 33
 <212> DNA
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 <223> n = A,T,C or G

<400> 1449
 ttaggttctt tggaagcngg tttatgaact aat

33

<210> 1450
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 <212> DNA
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 <223> n = A,T,C or G

<400> 1450
 aagattcaat gnaatcagtg acttgt

26

<210> 1451
 <211> 24
 <212> DNA
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 <223> n = A,T,C or G

<400> 1451
 ggtagatgtg ntattacaaa gatg

24

<210> 1452
 <211> 17
 <212> DNA
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<220>
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 <223> n = A,T,C or G

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<400> 1452
aaaaaantta ttacccg 17

<210> 1453
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 1453
gagctagact ctgtctcnaa a 21

<210> 1454
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1454
tctactaaan atacaaaaa 19

<210> 1455
<211> 15
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(15)
<223> n = A,T,C or G

<400> 1455
atacaanaat tagcc 15

<210> 1456
<211> 25
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1456
aaatacaa at aganaacata caaaa 25

<210> 1457
<211> 26
<212> DNA
<213> Homo sapiens

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 <223> n = A,T,C or G

<400> 1457
 gtggctcaca cntgcaatcc cagcac

26

<210> 1458
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1458
 cccaggaagt cnaggctgca gtg

23

<210> 1459
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1459
 gagccagact ctgtcttnaa aaa

23

<210> 1460
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1460
 ctctatctct actaaanata caaaaattag

30

<210> 1461
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1461
 atacaaaaat tagcnggtgt ggtggtggg

29

<210> 1462
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1462
 gaatgaactc cagcntgggt gacagagcc 29

<210> 1463
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 1463
 gactctaagg tgagcncctga ataaagccct 30

<210> 1464
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 1464
 gtatatgtga ttagtatngg gtaatacatt ccaaattg 37

<210> 1465
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 1465
 ggcaaaaaga gcgaaactct gtctcaaaaa aan 33

<210> 1466
 <211> 39
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature


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<222> (1)...(39)
<223> n = A,T,C or G

<400> 1466
agcctggcctt tgttccttaa naagcctaaa ttgctagaa           39

<210> 1467
<211> 33
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1467
ccaagctccc tcatagntcc tcattctgct cag                 33

<210> 1468
<211> 33
<212> DNA
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<220>
<221> misc_feature
<222> (1)...(33)
<223> n = A,T,C or G

<400> 1468
tttttctttt ttttttctga gacagttttt ttc                 33

<210> 1469
<211> 20
<212> DNA
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<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 1469
agagactccg tctcnaaaaa                                20

<210> 1470
<211> 35
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(35)
<223> n = A,T,C or G

<400> 1470
ttttctgcag taatacntat taaaaattta gattc               35

<210> 1471

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<211> 33
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)
<223> n = A,T,C or G

<400> 1471
cagaaccctc atagcatgng atcactgata aag                                     33

<210> 1472
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 1472
catcaacaag gttcttanag aattcctaag g                                       31

<210> 1473
<211> 29
<212> DNA
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 1473
aatgagaaa atctanaatg aatctctgt                                           29

<210> 1474
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1474
tatcacttct tcagtnataa agttcttaa                                           29

<210> 1475
<211> 40
<212> DNA
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<220>
<221> misc_feature
<222> (1)...(40)

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<223> n = A,T,C or G

<400> 1475

aacaggtatt taatattctt cacattncag taataaagac

40

<210> 1476

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 1476

cagtcctata tttcaaanga gcaaacagac a

31

<210> 1477

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 1477

aaactatttt actaaanaga agtccccatt a

31

<210> 1478

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 1478

aaactctatc ttnaaaaaaa aaaa

24

<210> 1479

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(20)

<223> n = A,T,C or G

<400> 1479

tgttgtgcan agtaagagaa

20

<210> 1480

<211> 21

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 1480
 cctaacatta nttcaaaata a

21

<210> 1481
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 1481
 agtttttttna aattttttt

18

<210> 1482
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 1482
 aaaaattana aaaatttagc

19

<210> 1483
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 1483
 aggctgaggn atgggaatc

19

<210> 1484
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

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<400> 1484
aacaagcttn tctttaaac
19

<210> 1485
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 1485
ttttttttna gctctgattc
20

<210> 1486
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 1486
atgctagcna tgtaaaaaa
19

<210> 1487
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 1487
aaaaaaacan aaggcact
18

<210> 1488
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 1488
gaagggtcan acaggaaag
19

<210> 1489
<211> 20
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 1489
ggagcaaaaa naaatgttta                                20

<210> 1490
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 1490
atatattccn agaaatgcat                                20

<210> 1491
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 1491
aaatgcatca ntaggcaatt t                                21

<210> 1492
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 1492
gacgaccttt tnaaaaaaaaa a                                21

<210> 1493
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1493
ttttaataac ntgtaaaatg cc                                22

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<210> 1494
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 1494
 gctgctggnt gagaggt 17

<210> 1495
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 1495
 gcttttttaaa ntttttct 18

<210> 1496
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1496
 ctacaaagtn tattttaaggg 20

<210> 1497
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 1497
 taaactatat atangtgtgt gt 22

<210> 1498
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<222> (1)...(20)
<223> n = A,T,C or G

<400> 1498
tctgggagta ntggcacaca                                20

<210> 1499
<211> 37
<212> DNA
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<220>
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<222> (1)...(37)
<223> n = A,T,C or G

<400> 1499
accagtaatt atttaaaaat naaagtacta attgttt             37

<210> 1500
<211> 36
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(36)
<223> n = A,T,C or G

<400> 1500
agccgggcgt ggtggcagnt gcctgtaatc ccagct             36

<210> 1501
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 1501
gttttgagan agtctcactc t                               21

<210> 1502
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 1502
taattttaaa ggctctgntc cctgctcttt tc                 32

<210> 1503

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<211> 23
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 1503
 cccccacaaa gnccgagaag cct

23

<210> 1504
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1504
 aaaatcgaga tgaaggnttt gagcatttca gaga

34

<210> 1505
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 1505
 ttgcagtgag ccnagatcac gtcact

26

<210> 1506
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 1506
 tagagtttgt tcccnagagt ttgttccca

29

<210> 1507
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)

<223> n = A,T,C or G

<400> 1507

cttttagtttc atcttnccta ctgcca

26

<210> 1508

<211> 19

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(19)

<223> n = A,T,C or G

<400> 1508

ctggctccna attaataag

19

<210> 1509

<211> 37

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(37)

<223> n = A,T,C or G

<400> 1509

taaagtaaga atccctaagg ttnaaaaaaaa aaaaaag

37

<210> 1510

<211> 40

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(40)

<223> n = A,T,C or G

<400> 1510

ttacttctgc aggagctnta gggagatgaa ggaagaagcc

40

<210> 1511

<211> 35

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(35)

<223> n = A,T,C or G

<400> 1511

ccctggaggg agagctgnng tgaaggaaat gacac

35

<210> 1512

<211> 32

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 1512
 agagttaagt aggggncctt accaaggagc at

32

<210> 1513
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 1513
 aggctttctg cctncttcac ttcccca

27

<210> 1514
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 1514
 ggtagggcta ctnttatttt atgggt

26

<210> 1515
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 1515
 aaaggatttg aattttgagn gaaaagtt

28

<210> 1516
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 1516
 ctcgtagtag tcctgtgggn tagatcttac taatgtc 37

<210> 1517
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 1517
 ggaagaagtt cttacttccn tgtgggtgct ta 32

<210> 1518
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 1518
 acttcatatt tntcactgtg tccc 24

<210> 1519
 <211> 38
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(38)
 <223> n = A,T,C or G

<400> 1519
 ggtccctgag ctcccngaga caacatgcag aattactg 38

<210> 1520
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 1520
 gtcagcccac ccattnagta actgttctct gctg 34

<210> 1521
 <211> 35
 <212> DNA
 <213> Homo sapiens

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<220>
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 1521
gagagagaaa agatgntcag aactccacct ggcac
35

<210> 1522
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 1522
tctccccgac tngcacatcc cagt
24

<210> 1523
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 1523
ccccagcact gtcgcctgt gctgtcagca gcactctccc
40

<210> 1524
<211> 35
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 1524
acctgtggct tctgctgtnc cccagcactg tcgcc
35

<210> 1525
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 1525
gcaggggttg tcgngggcg ctcgatgtct tgcaaactaa
40

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<210> 1526
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 1526
 caggtctggc aggngacccc acaggtcagt gggatgactc

40

<210> 1527
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 1527
 actccagggtg agctgntcca ggtctggc

28

<210> 1528
 <211> 39
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(39)
 <223> n = A,T,C or G

<400> 1528
 ggccaggggt gcattttgng gtgctgggtc tccttcctc

39

<210> 1529
 <211> 39
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(39)
 <223> n = A,T,C or G

<400> 1529
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39

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<400> 1530
ctgcagtaca gtgggggctg ntgagaggag ggaaggg          37

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<400> 1531
gtgtgncaga gagacagaga gacagagaga gag          33

<210> 1532
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<220>
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<223> n = A,T,C or G

<400> 1532
gcccagcatc tgagggntag ggggtgtaata cggca          35

<210> 1533
<211> 40
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1533
aggtcaggag ttngagacca gcctgactaa catggtgaaa          40

<210> 1534
<211> 38
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<220>
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<223> n = A,T,C or G

<400> 1534
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<210> 1535

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<211> 38
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<400> 1535
ctgttggtcac ctggctgntt gcattgtccc acaagtgc          38

<210> 1536
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<223> n = A,T,C or G

<400> 1536
ggaaagccac catnggaagg gaaggcagg          29

<210> 1537
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<222> (1)...(37)
<223> n = A,T,C or G

<400> 1537
gccaaggggtg tgatactggc ttagaggagc tggctca          37

<210> 1538
<211> 35
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1538
atggagaaaag cttggggggca ggnccaggga gcagg          35

<210> 1539
<211> 37
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<223> n = A,T,C or G

<400> 1539

cacattgtga attagctacn gctgccatgc cttaagg

37

<210> 1540

<211> 28

<212> DNA

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<223> n = A,T,C or G

<400> 1540

gggcagggcc agggngcagg gcggtaaa

28

<210> 1541

<211> 32

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1541

cctgatgccca ccgtcccnta ccctcataca ac

32

<210> 1542

<211> 37

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1542

ctgatgccac cgtcccctnc cctcatacaa ccttctt

37

<210> 1543

<211> 32

<212> DNA

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<223> n = A,T,C or G

<400> 1543

cacaaagaac taccccnttt tcagctgagc cc

32

<210> 1544

<211> 34

<212> DNA
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 <223> n = A,T,C or G

<400> 1544
 gtggggctcct tcggggcnat gctccctcag cctc 34

<210> 1545
 <211> 36
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1545
 tcatgtgtga acacatanga cgtgtgtaaa tatgta 36

<210> 1546
 <211> 39
 <212> DNA
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 <223> n = A,T,C or G

<400> 1546
 aaagtaaatt gtttataang ggtgtggcct ttttagaga 39

<210> 1547
 <211> 35
 <212> DNA
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<220>
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<400> 1547
 gaacagggac atgcatctnt tataaaatcc tttcg 35

<210> 1548
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<220>
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<400> 1548
ttataaaatc ctttcggnca ggcgcggtgg ctcacacctg
40

<210> 1549
<211> 38
<212> DNA
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<223> n = A,T,C or G

<400> 1549
tcacctgagg tcaggagttn gagaccagcc tggtgaaa
38

<210> 1550
<211> 24
<212> DNA
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<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 1550
actccagccc gggcaccnaa aaaa
24

<210> 1551
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<220>
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<223> n = A,T,C or G

<400> 1551
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31

<210> 1552
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<212> DNA
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<223> n = A,T,C or G

<400> 1552
tccagcctgg gtgacaagag ngagactttg tctcaaa
37

<210> 1553
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<400> 1553
 ttgtctcaaa aaaaaaaaaa tccttttg 28

 <210> 1554
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 <223> n = A,T,C or G

 <400> 1554
 gaaggtgtgg atatgtgcnt ttctgtctc cct 33

 <210> 1555
 <211> 37
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 <223> n = A,T,C or G

 <400> 1555
 gatgctgtgt gagtggcagg nggactcctg ctgggta 37

 <210> 1556
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 <223> n = A,T,C or G

 <400> 1556
 tgtggatatg tgcntttcct gtctccct 28

 <210> 1557
 <211> 30
 <212> DNA
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 <223> n = A,T,C or G

 <400> 1557
 ctcagtccca gaaacntat gtactgtgac 30

 <210> 1558
 <211> 40
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<220>
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<222> (1)...(40)
<223> n = A,T,C or G

<400> 1558
ctcagtccca gaaaccatat gnactgtgac cccgctcact
40

<210> 1559
<211> 34
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(34)
<223> n = A,T,C or G

<400> 1559
tctctactaa aaaanaacta accaggcgtg gtgg
34

<210> 1560
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 1560
ggaacagagg natagacagg a
21

<210> 1561
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 1561
agactctgtc tcnaaaaa
18

<210> 1562
<211> 29
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(29)
<223> n = A,T,C or G

<400> 1562
atcattctaa gganctgaca gtgcttctg
29

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<210> 1563
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1563
 gaagctaata ngcaaaccat c 21

<210> 1564
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 1564
 acctcaaagt ntggctggat a 21

<210> 1565
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 1565
 gtaagacaca ngcctgcaga g 21

<210> 1566
 <211> 31
 <212> DNA
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<220>
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 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 1566
 aagacaacct agtctnctgt tctgctttaa a 31

<210> 1567
 <211> 29
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<222> (1) ... (29)
 <223> n = A,T,C or G

<400> 1567
 tgagttctta cacagtggtn aaacaaaca 29

<210> 1568
 <211> 18
 <212> DNA
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<220>
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 <222> (1) ... (18)
 <223> n = A,T,C or G

<400> 1568
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<210> 1569
 <211> 32
 <212> DNA
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<220>
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 <222> (1) ... (32)
 <223> n = A,T,C or G

<400> 1569
 cacgtattaa agccacctac natataccac cc 32

<210> 1570
 <211> 35
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<220>
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 <222> (1) ... (35)
 <223> n = A,T,C or G

<400> 1570
 gagggccaaa ggctttgtcc tgccnctcct gcctt 35

<210> 1571
 <211> 27
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<220>
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 <222> (1) ... (27)
 <223> n = A,T,C or G

<400> 1571
 tctgatagtg gcnggaacat cctgact 27

<210> 1572

<211> 19
 <212> DNA
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 <223> n = A,T,C or G

<400> 1572
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19

<210> 1573
 <211> 35
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1573
 gacccttgct tacatngtac ataacaatag ctata

35

<210> 1574
 <211> 29
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<400> 1574
 ggcagggntg tctggcaagg gaccagtcc

29

<210> 1575
 <211> 31
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<220>
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 <223> n = A,T,C or G

<400> 1575
 acacttattn taactgtcac cctgggccca t

31

<210> 1576
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 <212> DNA
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<220>
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 <222> (1)...(34)

<223> n = A,T,C or G

<400> 1576
gctattttct tcnttgatt ctgcagtgac cagg 34

<210> 1577
<211> 28
<212> DNA
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<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 1577
ttgacaaaca cttattntaa ctgtcacc 28

<210> 1578
<211> 31
<212> DNA
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<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 1578
cattcactgt gctgttcngg gctagagaag a 31

<210> 1579
<211> 38
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1579
cactgctgct ctgcagtgac ncctgcttcc ccctaagt 38

<210> 1580
<211> 38
<212> DNA
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<223> n = A,T,C or G

<400> 1580
gtgaccctat tggatcttct cangccactg agggatat 38

<210> 1581
<211> 33

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<212> DNA
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<220>
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<222> (1)...(33)
<223> n = A,T,C or G

<400> 1581
caagagggaa tggagtcttt ngcagagggg ctg
33

<210> 1582
<211> 31
<212> DNA
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<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 1582
cttctgcttc tgcttctgnc ccttctgcct c
31

<210> 1583
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1583
gagtgtgggt tgagaagant ctgaggagtg ggac
34

<210> 1584
<211> 28
<212> DNA
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<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 1584
tttttaaaga ctagtcnctg ggcgcggt
28

<210> 1585
<211> 36
<212> DNA
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<222> (1)...(36)
<223> n = A,T,C or G

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<400> 1585
 gagaatggcg tgaacccggg aggnagagct tgcagt 36

<210> 1586
 <211> 37
 <212> DNA
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<220>
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 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 1586
 aagcgagact ccatctcnaa aaaaaaacia aaaacia 37

<210> 1587
 <211> 35
 <212> DNA
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 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 1587
 gagcttgagc tgagctgana tcgagccact gcact 35

<210> 1588
 <211> 30
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1588
 gaagtgaaaa ccaaatacaa gggctacaga 30

<210> 1589
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 <212> DNA
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 <223> n = A,T,C or G

<400> 1589
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<220>
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<223> n = A,T,C or G

<400> 1590
catacacaag aangagttcc atttactg                28

<210> 1591
<211> 38
<212> DNA
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<220>
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<222> (1)...(38)
<223> n = A,T,C or G

<400> 1591
aaaacaaaca aacaaacaaa caaanacact gtcatgcc        38

<210> 1592
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1592
ggcaaataat nacatggatc tc                        22

<210> 1593
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 1593
agttggcagn ggggctgggtt c                        21

<210> 1594
<211> 24
<212> DNA
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 1594
aaactgtgat ttncagtttc attt                      24

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<210> 1595
<211> 24
<212> DNA
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<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 1595
ccctcagagg gcnggtactg gact                24

<210> 1596
<211> 36
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1596
cttcattctt ccctgccaan gaagctggtg gtgccc    36

<210> 1597
<211> 25
<212> DNA
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<220>
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<222> (1)...(25)
<223> n = A,T,C or G

<400> 1597
agccactact tgggcngetc agctc                25

<210> 1598
<211> 31
<212> DNA
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<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 1598
cacattcttc ccacnagaaa taaagcaagc a        31

<210> 1599
<211> 28
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<213> Homo sapiens

<220>
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<222> (1)...(28)
 <223> n = A,T,C or G

 <400> 1599
 agcaagcagc tgtnctctc ttggggccc 28

 <210> 1600
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 <220>
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 <223> n = A,T,C or G

 <400> 1600
 agcctgagcc tngcgagcc cagac 25

 <210> 1601
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 1601
 acacacacac acantttttt gagagagag 29

 <210> 1602
 <211> 35
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 <220>
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 <223> n = A,T,C or G

 <400> 1602
 atgtgtagtg tgtgagaang tgtgagaggt actcg 35

 <210> 1603
 <211> 32
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 1603
 ttatgttcca ttgtacntat tcaccatatt tt 32

 <210> 1604

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<211> 27
<212> DNA
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<222> (1)...(27)
<223> n = A,T,C or G

<400> 1604
atccactcct cntgtcatgg acatctg 27

<210> 1605
<211> 33
<212> DNA
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<220>
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<222> (1)...(33)
<223> n = A,T,C or G

<400> 1605
tctaaagaaa aagaaagcng tgaattcttg gac 33

<210> 1606
<211> 35
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1606
gctctgtgcc aggcaggggn ctccgaggtg agtgt 35

<210> 1607
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 1607
ccaggcaggg ggctccgngg tgagtgtggc ct 32

<210> 1608
<211> 34
<212> DNA
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<220>
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<222> (1)...(34)

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<223> n = A,T,C or G

<400> 1608

agagaaggga actggcntgt gtggctgggc tgtg

34

<210> 1609

<211> 34

<212> DNA

<213> Homo sapiens

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<222> (1)...(34)

<223> n = A,T,C or G

<400> 1609

gcaggctcag tggaaggaga ggngtctcct tatg

34

<210> 1610

<211> 32

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(32)

<223> n = A,T,C or G

<400> 1610

atggggaact ctcctanact gctggaggcg tg

32

<210> 1611

<211> 27

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(27)

<223> n = A,T,C or G

<400> 1611

agtcatggca ctanatggag cccaggg

27

<210> 1612

<211> 27

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(27)

<223> n = A,T,C or G

<400> 1612

caccaggagg ttcagcnccc actgtgg

27

<210> 1613

<211> 26

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 1613
 gcatcccagc gccnggccag tgggcc 26

<210> 1614
 <211> 30
 <212> DNA
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<220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 1614
 gagtaagggg tcnaggaggg ggggggtggc 30

<210> 1615
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 1615
 gaacatactc atanccatgc ttcccc 26

<210> 1616
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<400> 1617
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 <210> 1619
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 <400> 1619
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 <400> 1620
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 <400> 1621
 ccccatgtg ccangtcacc tcccttgtc 29

 <210> 1622
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<400> 1622
cccagcagga aacanatgca ca                22

<210> 1623
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<400> 1623
gaacccagag agaccngtag gagggg           26

<210> 1624
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<400> 1624
gccccggcaga gtcaccnggg ctggcc          26

<210> 1625
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<212> DNA
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<400> 1625
aaatggggcc aggnngcgggtg gctca          25

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<223> n = A,T,C or G

<400> 1626
cctgtcttaa aaaaaaaann ngctgggtgt ggtg  34

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<210> 1627
 <211> 28
 <212> DNA
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 aattgcttga acccnggagg cagagggt

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<210> 1628
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<400> 1628
 ccaaccaacc anccaaatgg tattaactct c

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<210> 1629
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<400> 1629
 cacttacctt gcccgcccc accc

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<210> 1630
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<210> 1631
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 <400> 1631
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 <210> 1632
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 <400> 1632
 cttgaggtgc ctcntaagag gtccaatga 29

 <210> 1633
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 <210> 1634
 <211> 30
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 <400> 1634
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 <210> 1635
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 <210> 1636

<211> 30
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<400> 1636
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<210> 1637
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<400> 1637
 tgcttggtgg ggctcnagcg ttaccgccg

29

<210> 1638
 <211> 28
 <212> DNA
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 <223> n = A,T,C or G

<400> 1638
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28

<210> 1639
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<400> 1639
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32

<210> 1640
 <211> 36
 <212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1640
taatgacatt cccttgtag aatgtgcaa tgtgga 36

<210> 1641
<211> 22
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1641
gatcacatta nttgcctgag tt 22

<210> 1642
<211> 29
<212> DNA
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<400> 1642
ttgcctgagt tcncaagttg gttaagaga 29

<210> 1643
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<400> 1643
tctcatcaat aaatatttat nnncttcac att 33

<210> 1644
<211> 25
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<400> 1644
aaaaaaaaaa aaanggccag gcgcg 25

<210> 1645
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<212> DNA
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<400> 1645
aaaaaaaaaa ngccctagac cctctg                26

<210> 1646
<211> 27
<212> DNA
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<223> n = A,T,C or G

<400> 1646
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<210> 1647
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<212> DNA
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<223> n = A,T,C or G

<400> 1647
agattgtgcc actgngcttc agtct                25

<210> 1648
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<212> DNA
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<223> n = A,T,C or G

<400> 1648
gggagacccg gagggagnta ggggaagtg                28

<210> 1649
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<400> 1649
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 <210> 1650
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 <400> 1650
 actagaggggt tttttanaga gaagtgacat gat 33

 <210> 1651
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 <212> DNA
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 <400> 1651
 taaggaatac ggttttgnac gtaagtgtga gatgcct 37

 <210> 1652
 <211> 27
 <212> DNA
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 <223> n = A,T,C or G

 <400> 1652
 caggtggaan tgtgaatctg gggagag 27

 <210> 1653
 <211> 19
 <212> DNA
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 <400> 1653
 aagactctgt ctcnaaaaa 19

 <210> 1654
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<220>
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<223> n = A,T,C or G

<400> 1654
cccagaatag agaccacntc catcctccct t
31

<210> 1655
<211> 31
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1655
gaacttagat ttgcgncct tagcattcaa c
31

<210> 1656
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<212> DNA
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<400> 1656
caatgcatga tcctntctga gcctcagc
28

<210> 1657
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<212> DNA
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<223> n = A,T,C or G

<400> 1657
ttgataactca gtangtacag cttatt
26

<210> 1658
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<222> (1)...(23)
<223> n = A,T,C or G

<400> 1658
caggcaacaa antctccctc cct
23

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<210> 1659
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 <223> n = A,T,C or G

<400> 1659
 ccttgcttca antgcttcag tctatc 26

<210> 1660
 <211> 21
 <212> DNA
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 <223> n = A,T,C or G

<400> 1660
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<210> 1661
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 <223> n = A,T,C or G

<400> 1661
 ccattccctg agcncagggt gcctttct 28

<210> 1662
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 <212> DNA
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 <223> n = A,T,C or G

<400> 1662
 ggccaggctg gtctcngtct agactcaagt g 31

<210> 1663
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 <212> DNA
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<222> (1)...(37)
<223> n = A,T,C or G

<400> 1663
tgtttgagac aggggtcttgn tctgtcgtcc aggatgg          37

<210> 1664
<211> 18
<212> DNA
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<223> n = A,T,C or G

<400> 1664
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<210> 1665
<211> 34
<212> DNA
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<223> n = A,T,C or G

<400> 1665
ccaccgcacc cggccanttt tatttgtttt taaa          34

<210> 1666
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1666
ttgccaacat ttggtatnat cagtcttcaa tttt          34

<210> 1667
<211> 29
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<223> n = A,T,C or G

<400> 1667
tttttttttt nctgagacag agtctcgct          29

<210> 1668

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<211> 20
<212> DNA
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<400> 1668
caattgactt ccctnaaaaa                20

<210> 1669
<211> 31
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<400> 1669
aagggtgtgc ctagngcaca cactccctcc c    31

<210> 1670
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<223> n = A,T,C or G

<400> 1670
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<210> 1671
<211> 28
<212> DNA
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<223> n = A,T,C or G

<400> 1671
aataaagtga ttacttnaaa aaaaaaaaaa    28

<210> 1672
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<223> n = A,T,C or G

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<223> n = A,T,C or G

<400> 1673
cctctggggt ntttccaaat ca 22

<210> 1674
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<212> DNA
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<400> 1674
ttgccagaac acnggggtcag agagcaagag 30

<210> 1675
<211> 31
<212> DNA
<213> Homo sapiens

<400> 1675
agagtgagac tctgtctcaa aaaaaaaaaa a 31

<210> 1676
<211> 26
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1676
cttcatatct acttngaaaa ccatat 26

<210> 1677
<211> 19
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<223> n = A,T,C or G	
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gagactctgt ctcnaaaaa	19
<210> 1678	
<211> 26	
<212> DNA	
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<400> 1678	
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<210> 1679	
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<400> 1679	
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<210> 1680	
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<400> 1680	
tgctgtagct ccatttgagn agggacctt	29
<210> 1681	
<211> 19	
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<223> n = A,T,C or G	
<400> 1681	
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<210> 1682	

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<211> 30
<212> DNA
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<223> n = A,T,C or G

<400> 1682
tcagtaccac atctgtnttt ccatgctctt      30

<210> 1683
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<212> DNA
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<223> n = A,T,C or G

<400> 1683
acagaggtaa aagtgttttg aaagcnaaaa a      31

<210> 1684
<211> 20
<212> DNA
<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1684
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<210> 1685
<211> 20
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<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 1685
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<210> 1686
<211> 23
<212> DNA
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<223> n = A,T,C or G

<400> 1686

ggaatcatta cntatcacaa tca

23

<210> 1687

<211> 26

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(26)

<223> n = A,T,C or G

<400> 1687

accatggatg cntagctgag ttctctg

26

<210> 1688

<211> 27

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(27)

<223> n = A,T,C or G

<400> 1688

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27

<210> 1689

<211> 40

<212> DNA

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<223> n = A,T,C or G

<400> 1689

gagacttcat ctnaaaaaca aaaaacaaac aaacaaaaaa

40

<210> 1690

<211> 29

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(29)

<223> n = A,T,C or G

<400> 1690

aaactctcac cacnactgaa atctggta

29

<210> 1691

<211> 27

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 1691
 ccctggggct ctantatttg gtgttac

27

<210> 1692
 <211> 24
 <212> DNA
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<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 1692
 gaaagatata naaattaaat taaa

24

<210> 1693
 <211> 30
 <212> DNA
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<220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 1693
 aaaaantcat accaattagt ctcacttaaa

30

<210> 1694
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 1694
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20

<210> 1695
 <211> 39
 <212> DNA
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<400> 1695
 cagaacaaat tagagaaaaa ctccngtcag gctctccac 39

<210> 1696
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<400> 1696
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<210> 1697
 <211> 21
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<400> 1697
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<210> 1698
 <211> 22
 <212> DNA
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<400> 1698
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<210> 1699
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<400> 1699
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<210> 1700
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<223> n = A,T,C or G

<400> 1700
tggaagagac atgcatncaa accatatc 28

<210> 1701
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<400> 1701
tttttttttt tnccgtgaac ag 22

<210> 1702
<211> 27
<212> DNA
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<223> n = A,T,C or G

<400> 1702
acaggcgcgc ncacacacac acacaca 27

<210> 1703
<211> 27
<212> DNA
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<223> n = A,T,C or G

<400> 1703
taaaaattat tcgngagaat tttagaa 27

<210> 1704
<211> 30
<212> DNA
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<223> n = A,T,C or G

<400> 1704
ccaagtacct tggncgtgac tgagagatga 30

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<210> 1705
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<400> 1705
 acaaacaaac aancaaacct tatt

24

<210> 1706
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<400> 1706
 aaatatagnc aaaatact

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<210> 1707
 <211> 24
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<400> 1707
 tcctggccaa cntggtgaaa cccc

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<210> 1708
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<400> 1708
 ggaaaaaaaa ancacacatg at

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<210> 1709
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<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 1709
ataaaaaaaaa angatttatt atgt 24

<210> 1710
<211> 22
<212> DNA
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<223> n = A,T,C or G

<400> 1710
cagtgatcaa nataaatatg aa 22

<210> 1711
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<223> n = A,T,C or G

<400> 1711
agtttcngtt tagaaag 17

<210> 1712
<211> 23
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<223> n = A,T,C or G

<400> 1712
acttaagaga ntcaaataat ttt 23

<210> 1713
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<223> n = A,T,C or G

<400> 1713
ttttaaaact tntaaaggaa t 21

<210> 1714

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<211> 36
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<220>
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 <223> n = A,T,C or G

<400> 1714
 tgtttctttt tttctttctt ntttttttag acggag 36

<210> 1715
 <211> 31
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 <213> Homo sapiens

<220>
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<400> 1715
 tggggcctaaa aatctcttct gacttccagt g 31

<210> 1716
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1716
 tcccaagggtc acatngttac tatgtatggt 30

<210> 1717
 <211> 29
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1717
 gaagcaagac tgtcnggaac actggactc 29

<210> 1718
 <211> 33
 <212> DNA
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<223> n = A,T,C or G

<400> 1718
aaccatctgt ttgtgtcntg aggctctctg tat 33

<210> 1719
<211> 31
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<223> n = A,T,C or G

<400> 1719
tgatgatcac gcaacncagc tgaagaatga t 31

<210> 1720
<211> 39
<212> DNA
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<400> 1720
ccatcctaaa tactacaaga tgcnttttgac gctataaga 39

<210> 1721
<211> 29
<212> DNA
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<400> 1721
aaagtcaaaa aatcnaaagg agatgagca 29

<210> 1722
<211> 31
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 1722
ttctgggaaa aggaagtcnt tttttttttt t 31

<210> 1723
<211> 34


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<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 1723
taatctctgc ctcccaggnt caagtgattc ttct
34

<210> 1724
<211> 33
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<400> 1724
gtatttttag tagagacngg gtttccttat gtt
33

<210> 1725
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<212> DNA
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<400> 1725
tcaccagcaa cctgttntga gtgaatcatc
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<210> 1726
<211> 34
<212> DNA
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<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 1726
aaaaagtttt ttttttttnc taccaaattgt acag
34

<210> 1727
<211> 31
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(31)
<223> n = A,T,C or G

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<400> 1727
 attacattat aatttacang catgatctaa t 31

<210> 1728
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 1728
 ccaagaaaga ggntgtcatg gggtaa 26

<210> 1729
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 1729
 gtggaggctg anagtaggcg agttt 25

<210> 1730
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 1730
 tgcctccaag aaagaggntg tcatggggta aacc 34

<210> 1731
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 <212> DNA
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<220>
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 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 1731
 tcctttcatt ttagcctgaa agactccctt tagcantttt 40

<210> 1732
 <211> 23
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<220>
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<222> (1)...(23)
<223> n = A,T,C or G

<400> 1732
tgccatgttg gtntgctgca ccc 23

<210> 1733
<211> 36
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<400> 1733
tatttttttt tttttaagta cnttaagttc tagggc 36

<210> 1734
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 1734
cccagtaatg ggntggctgg t 21

<210> 1735
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1735
gttctagatc cntgaggaat c 21

<210> 1736
<211> 23
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<223> n = A,T,C or G

<400> 1736
ttccacaatg gtngaactag ttt 23

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<210> 1737
 <211> 19
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<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 1737
 tccagcaccn gttgtttcc 19

<210> 1738
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 1738
 gttcatatac ttntcccctg ttt 23

<210> 1739
 <211> 26
 <212> DNA
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<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 1739
 tttgctgaag ttgnttatca acttaa 26

<210> 1740
 <211> 27
 <212> DNA
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<220>
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 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 1740
 atatgatgca ttacntttat cgatttg 27

<210> 1741
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1)...(23)
<223> n = A,T,C or G

<400> 1741
ccttgtcttg tgcnggtttt caa 23

<210> 1742
<211> 21
<212> DNA
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<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 1742
ggtcctggac tntttttggt t 21

<210> 1743
<211> 16
<212> DNA
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<220>
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 1743
ttattgccnc aatttc 16

<210> 1744
<211> 27
<212> DNA
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<220>
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<222> (1)...(27)
<223> n = A,T,C or G

<400> 1744
attctctctt ttttncttta ttagctc 27

<210> 1745
<211> 22
<212> DNA
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<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1745
ttggttgata ngctattaat ta 22

<210> 1746

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<211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 1746
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<210> 1747
 <211> 25
 <212> DNA
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<220>
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 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 1747
 actgctttga atgngtccca gattc 25

<210> 1748
 <211> 28
 <212> DNA
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 1748
 ttgtgtcctt gttctcnttg gtttcaaa 28

<210> 1749
 <211> 21
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<400> 1749
 gcgggttttga ntgagtttct t 21

<210> 1750
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1750

tttttttttgn tttccatttg c

21

<210> 1751

<211> 16

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(16)

<223> n = A,T,C or G

<400> 1751

cccctgcntt tttttg

16

<210> 1752

<211> 26

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(26)

<223> n = A,T,C or G

<400> 1752

tttatgaatc tggngctcc tgtatt

26

<210> 1753

<211> 23

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(23)

<223> n = A,T,C or G

<400> 1753

ttcaggagct cttntaaggc agg

23

<210> 1754

<211> 18

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 1754

ggcctggngg tgacaaaa

18

<210> 1755

<211> 22

<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1755
atatttatttc nccttcactt at 22

<210> 1756
<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
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<400> 1756
cagagagatc cncgtgtagt ctga 24

<210> 1757
<211> 24
<212> DNA
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<223> n = A,T,C or G

<400> 1757
agagtatctt tntggtgttc tctg 24

<210> 1758
<211> 24
<212> DNA
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<223> n = A,T,C or G

<400> 1758
atttcctgaa nttgaatggt ggcc 24

<210> 1759
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 1759
 cagtagacga acnatgcaaa atacca 26

 <210> 1760
 <211> 25
 <212> DNA
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 <222> (1)...(25)
 <223> n = A,T,C or G

 <400> 1760
 tcctggggct ttnacgtttt tagtg 25

 <210> 1761
 <211> 26
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 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 1761
 cagagataag aantagtttc caagaa 26

 <210> 1762
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 1762
 acaggcttng acagaggact tgga 24

 <210> 1763
 <211> 34
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

 <400> 1763
 tcactaaatt ctagaaanaa agattctagg cagt 34

 <210> 1764
 <211> 29
 <212> DNA
 <213> Homo sapiens

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<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 1764
taggcagttg ctgntattta aaaaatcat 29

<210> 1765
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 1765
caggactaaa gtganctact ctgaaaga 28

<210> 1766
<211> 40
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(40)
<223> n = A,T,C or G

<400> 1766
tttttggaca cacacaatga cactncactt agagaagtgc 40

<210> 1767
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 1767
acaaacaaat aaacantaaa acaaaaccca ca 32

<210> 1768
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 1768
cagagtgatt ctgtgtttna aaaaaaaaaa 28

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<210> 1769
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1769
 acagcaaagg cctttnactg aaggactc

28

<210> 1770
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1770
 aggggcggtt gcagnagaag agctgggcc

29

<210> 1771
 <211> 31
 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 1771
 gggtataata attttncgtt catcagacct c

31

<210> 1772
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 1772
 tgtgggggaa ggnctatag ccaagat

27

<210> 1773
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1)...(28)
 <223> n = A,T,C or G

<400> 1773
 gcactttcct caanctggag accaccag 28

<210> 1774
 <211> 30
 <212> DNA
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<220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 1774
 ggccatcaga atctcnagtt gatcttctaa 30

<210> 1775
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 1775
 tcctgctaag gntctgtgag gccc 24

<210> 1776
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 1776
 catctagggt gtangttcca tgaggg 26

<210> 1777
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 1777
 cggtacttgt ggagcanaga ggtggctccc aa 32

<210> 1778

<211> 37
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 1778
 taaccaccca ggctccagan gtcgcctaga atcccag

37

<210> 1779
 <211> 38
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(38)
 <223> n = A,T,C or G

<400> 1779
 agatctggag agattcccca cnagagtcca tatttccc

38

<210> 1780
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 1780
 gaaaaaaagg aaaaanatta gcatgttta

29

<210> 1781
 <211> 38
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(38)
 <223> n = A,T,C or G

<400> 1781
 gctatcaata tcaaggcact tgagngctct atggatat

38

<210> 1782
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)

<223> n = A,T,C or G

<400> 1782

aaaaagaaaa anaaagaaaa

20

<210> 1783

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 1783

aaaaattagc caagtgnngt ggcaggcac

29

<210> 1784

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 1784

gcacatgggg cacanggtca cactcacca

29

<210> 1785

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 1785

cagagtgccac cgcanagcac ccccggcat

29

<210> 1786

<211> 38

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(38)

<223> n = A,T,C or G

<400> 1786

tttttggttc cttccttatt aanatggtat ctttgtga

38

<210> 1787

<211> 19

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 1787
 gcctcaaggn aagaatatt

19

<210> 1788
 <211> 29
 <212> DNA
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<220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 1788
 ctccaaccat gccnccctct ttctggggc

29

<210> 1789
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 1789
 gagtcctagt aaattgacna ccaagtacta agac

34

<210> 1790
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 1790
 cctagtaaatt tgactancaa gtactaagac caa

33

<210> 1791
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 1791
 tgagggacat cacagntgtc tccagaaagg ta 32

<210> 1792
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 1792
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<210> 1793
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<400> 1793
 taaagagaaa gaancatttg tcctgatt 28

<210> 1794
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<400> 1794
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<210> 1795
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<400> 1795
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<210> 1796
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<223> n = A,T,C or G

<400> 1796
taagaggtag tatcangtac aaaagtattc t
31

<210> 1797
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<400> 1797
gatattcaca gtatagtngg gaagaccaac atta
34

<210> 1798
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<400> 1798
ttttctgttg ttgtnttttt tttccatcac
30

<210> 1799
<211> 27
<212> DNA
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<223> n = A,T,C or G

<400> 1799
catactttta gccanttagg gtgtatt
27

<210> 1800
<211> 26
<212> DNA
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<223> n = A,T,C or G

<400> 1800
tgtgaaacct tgggnaagtt atttaa
26

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<210> 1801
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<223> n = A,T,C or G

<400> 1801
taatcccagc aactcnggag gctgagaca 29

<210> 1802
<211> 32
<212> DNA
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<400> 1802
gaatctcttg aacctgngag gcagagggtg ca 32

<210> 1803
<211> 30
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1803
gtgttctcac atgtgncatg tggccaagga 30

<210> 1804
<211> 27
<212> DNA
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<223> n = A,T,C or G

<400> 1804
agttaaaagc tttanaatta tacaaat 27

<210> 1805
<211> 32
<212> DNA
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 1805
ttacctagtc aaccggntca cagatacatt ca 32

<210> 1806
<211> 37
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1806
atttgaatta cggagtcaga tnttggctct tcttact 37

<210> 1807
<211> 32
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1807
gaagggccag gcacangctt cttcctcagt gc 32

<210> 1808
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1808
agcaaggcct ctaacncttg ctccataaaaa tc 32

<210> 1809
<211> 32
<212> DNA
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<223> n = A,T,C or G

<400> 1809
tgggccaatg acccccnggt cctttttgtg ac 32

<210> 1810

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<211> 26
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1810
 cctgctctgc tcnggttccc accctg 26

<210> 1811
 <211> 30
 <212> DNA
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 <223> n = A,T,C or G

<400> 1811
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<210> 1812
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<220>
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 <223> n = A,T,C or G

<400> 1812
 gctccactc tactattnac tcttccaacc t 31

<210> 1813
 <211> 26
 <212> DNA
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 <223> n = A,T,C or G

<400> 1813
 tggatctggc tncgcctgcc taaaca 26

<210> 1814
 <211> 30
 <212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1814
ctgcttctcc gcactgntgg gcagtgtggg 30

<210> 1815
<211> 31
<212> DNA
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<223> n = A,T,C or G

<400> 1815
agtgtcatt ttgaganagg ccccagagca t 31

<210> 1816
<211> 29
<212> DNA
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<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 1816
gtgggtttta gattngggtc acgagtcta 29

<210> 1817
<211> 23
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<223> n = A,T,C or G

<400> 1817
tgccccctgt atngaagaga ggc 23

<210> 1818
<211> 24
<212> DNA
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<220>
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<222> (1)...(24)
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<400> 1818
tttttttttt nggctccctg accc 24

<210> 1819
<211> 23

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<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1819
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<210> 1820
<211> 22
<212> DNA
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<223> n = A,T,C or G

<400> 1820
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<210> 1821
<211> 24
<212> DNA
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<223> n = A,T,C or G

<400> 1821
tgagggtct cncatcttct aaga                24

<210> 1822
<211> 24
<212> DNA
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<223> n = A,T,C or G

<400> 1822
aggacaatgg gnagggagtg ggag                24

<210> 1823
<211> 27
<212> DNA
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<400> 1823
 attacaggca cccnccacca cgcaggg 27

 <210> 1824
 <211> 27
 <212> DNA
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 <223> n = A,T,C or G

 <400> 1824
 atttttagcg ganacgaggt ttcacca 27

 <210> 1825
 <211> 22
 <212> DNA
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 <223> n = A,T,C or G

 <400> 1825
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 <210> 1826
 <211> 20
 <212> DNA
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 <223> n = A,T,C or G

 <400> 1826
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 <210> 1827
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 <220>
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 <223> n = A,T,C or G

 <400> 1827
 ccaccacgcc ctgccantat ttatttta 27

 <210> 1828
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 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1828
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25

<210> 1829
 <211> 21
 <212> DNA
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 <223> n = A,T,C or G

<400> 1829
 aactgaangt tccaatttcc t

21

<210> 1830
 <211> 28
 <212> DNA
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 <223> n = A,T,C or G

<400> 1830
 ggctcagcac caacanccag cagggctt

28

<210> 1831
 <211> 26
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 <223> n = A,T,C or G

<400> 1831
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26

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 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1832
 acaccctagg ctacngaga ggcctcc

27

<210> 1833
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 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1833
 tatcaatgag ggctantcac tggctactta c 31

<210> 1834
 <211> 28
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1834
 taatcccagc tttgnaggca gaagcagg 28

<210> 1835
 <211> 28
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 <223> n = A,T,C or G

<400> 1835
 aaacacaaaa attngctggg cgtcgtgg 28

<210> 1836
 <211> 26
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<220>
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 <223> n = A,T,C or G

<400> 1836
 cagctactcg gagnetgagg caggag 26

<210> 1837
 <211> 28
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<222> (1)...(28)
 <223> n = A,T,C or G

<400> 1837
 aggcggaagat tgcantgagc caagaacg 28

<210> 1838
 <211> 33
 <212> DNA
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 <223> n = A,T,C or G

<400> 1838
 tgacagaggg agactctgtc tctcctnaaa aaa 33

<210> 1839
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 <223> n = A,T,C or G

<400> 1839
 cccaactaga gtaantcctg gacacacag 29

<210> 1840
 <211> 27
 <212> DNA
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 <223> n = A,T,C or G

<400> 1840
 tggccatcag gangggaggc cagactg 27

<210> 1841
 <211> 25
 <212> DNA
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 <223> n = A,T,C or G

<400> 1841
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<210> 1842

<211> 25
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<220>
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 <223> n = A,T,C or G

<400> 1842
 ttctagtagc cntattaata aaatt 25

<210> 1843
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 <223> n = A,T,C or G

<400> 1843
 gaggctggga gctntgactt ttcatt 26

<210> 1844
 <211> 24
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<400> 1844
 tcagaagcta actggnaaaa aaaa 24

<210> 1845
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<400> 1845
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<210> 1846
 <211> 20
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<223> n = A,T,C or G

<400> 1846

ttctcaggat ttgnaaaaaa

20

<210> 1847

<211> 27

<212> DNA

<213> Homo sapiens

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<222> (1)...(27)

<223> n = A,T,C or G

<400> 1847

tgaaattaac tttantggta tatttaa

27

<210> 1848

<211> 25

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<223> n = A,T,C or G

<400> 1848

atataatgtg ttgngtaaag aatat

25

<210> 1849

<211> 27

<212> DNA

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<222> (1)...(27)

<223> n = A,T,C or G

<400> 1849

cagcagattt ttaanaagga aatctaa

27

<210> 1850

<211> 27

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 1850

ctattcttac ttcntgaaga tggatgg

27

<210> 1851

<211> 13

<212> DNA
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 <223> n = A,T,C or G

<400> 1851
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13

<210> 1852
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 <212> DNA
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 <223> n = A,T,C or G

<400> 1852
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13

<210> 1853
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 <223> n = A,T,C or G

<400> 1853
 tcaaacaata ngtttaaatta a

21

<210> 1854
 <211> 21
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<220>
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<400> 1854
 ggctgaggag ggnggatcac c

21

<210> 1855
 <211> 20
 <212> DNA
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<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 1855
 aagactccgt ctcnaaaaaa 20

 <210> 1856
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 <212> DNA
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 <223> n = A,T,C or G

 <400> 1856
 ttcagagcnt ctgtccag 18

 <210> 1857
 <211> 28
 <212> DNA
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 <220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 1857
 ttcaagtgat tctnctgtct cagcctcc 28

 <210> 1858
 <211> 19
 <212> DNA
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 <400> 1858
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 <210> 1859
 <211> 18
 <212> DNA
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 <222> (1)...(18)
 <223> n = A,T,C or G

 <400> 1859
 gtagtagaaa ngtaaatt 18

 <210> 1860
 <211> 30
 <212> DNA
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<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 1860
tatgtacaag tatctntttg agtacttgct 30

<210> 1861
<211> 32
<212> DNA
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<223> n = A,T,C or G

<400> 1861
ttttaaaaaa aaaaaanttt taaggcatag ga 32

<210> 1862
<211> 29
<212> DNA
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 1862
cttcttgga ggcgtgnggca ggaagatgc 29

<210> 1863
<211> 35
<212> DNA
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 1863
taccaaaaaat acaaaaaaatt agccnggcgt tgtgg 35

<210> 1864
<211> 35
<212> DNA
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<220>
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 1864
ttagccgggc gttgtggngg gcacctgtag taccc 35

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<210> 1865
 <211> 40
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1865
 ttgtgaaccc cggaggcgga ngttgcaatg agtggagatt 40

<210> 1866
 <211> 26
 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 1866
 ccccttatcc acagnttttt tttttt 26

<210> 1867
 <211> 33
 <212> DNA
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<220>
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 <222> (1)...(33)
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<400> 1867
 tctccatgtc accgcantca catttggtgtg tgg 33

<210> 1868
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 <212> DNA
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<220>
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 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 1868
 tcattagcct ggcttncatt ctcttctgaa c 31

<210> 1869
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1)...(25)
 <223> n = A,T,C or G

<400> 1869
 atactactat ggncctttgc ttccg 25

<210> 1870
 <211> 27
 <212> DNA
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 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 1870
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<210> 1871
 <211> 30
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<220>
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 <223> n = A,T,C or G

<400> 1871
 aaatgagtag cttcntttg agagacagag 30

<210> 1872
 <211> 29
 <212> DNA
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<220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 1872
 gatcatctca aggttcncaa aatcaagct 29

<210> 1873
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 1873
 gatgcaagaa nttttttttt tttttt 26

<210> 1874

<211> 32
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1874
 acaggcatcc accacntgc cctggtaatt tt 32

<210> 1875
 <211> 30
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1875
 catgtgatct gcngcctca gccttcctcaa 30

<210> 1876
 <211> 22
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 1876
 ccaatgcgcc tggccntttt tt 22

<210> 1877
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 1877
 cctctgcctc ccaggtnaa gcagttctcc tg 32

<210> 1878
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(27)

<223> n = A,T,C or G

<400> 1878

gccttcctcaaa gtgcnaggat tacaggt

27

<210> 1879

<211> 27

<212> DNA

<213> Homo sapiens

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<222> (1)...(27)

<223> n = A,T,C or G

<400> 1879

cattcttgca ttantataaa gaaatac

27

<210> 1880

<211> 28

<212> DNA

<213> Homo sapiens

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<222> (1)...(28)

<223> n = A,T,C or G

<400> 1880

aaattaattt ttttcttccn tttttttt

28

<210> 1881

<211> 28

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(28)

<223> n = A,T,C or G

<400> 1881

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<400> 1904
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<210> 1906

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<400> 1907
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<400> 1908
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<223> n = A,T,C or G

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<223> n = A,T,C or G

<400> 1912
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<212> DNA
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<400> 1913
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<400> 1914
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28

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<223> n = A,T,C or G

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<400> 1925
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<223> n = A,T,C or G

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<210> 1929
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<400> 1929
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<400> 1931
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<400> 1932
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 <210> 1936
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<223> n = A,T,C or G

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24

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<400> 1943

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<211> 29

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<211> 30

<212> DNA

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<400> 1945

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<223> n = A,T,C or G

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32

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27

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 <400> 1956
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 <210> 1957
 <211> 34
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 <400> 1957
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 <223> n = A,T,C or G

 <400> 1958
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 <210> 1959
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 <400> 1959
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 <400> 1960
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<210> 1961
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<400> 1961
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<210> 1962
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<400> 1962
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<210> 1963
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<400> 1963
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<210> 1964
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<400> 1964
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<210> 1965
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 <212> DNA
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<222> (1)...(36)
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<400> 1965
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<210> 1966
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 <212> DNA
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<400> 1966
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<210> 1967
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<400> 1967
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<210> 1968
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 <223> n = A,T,C or G

<400> 1968
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<400> 1969
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<210> 1970

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<223> n = A,T,C or G

<400> 1970
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<210> 1971
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<400> 1971
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<210> 1974
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<400> 1974

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<210> 1975

<211> 36

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<210> 1976

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22

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32

<210> 1979

<211> 35

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<210> 1987
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<210> 1991
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<220>
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24

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16

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18

<210> 1996
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19

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 <210> 1998
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 <210> 1999
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 <210> 2000
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 <210> 2001
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 <223> n = A,T,C or G

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 <210> 2002

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<223> n = A,T,C or G

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<210> 2003
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<210> 2004
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<210> 2005
<211> 18
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<210> 2008

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30

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<211> 32

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<222> (1)...(32)

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32

<210> 2010

<211> 47

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(47)

<223> n = A,T,C or G

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47

<210> 2011

<211> 45

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<212> DNA
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<210> 2012
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<220>
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<223> n = A,T,C or G

<400> 2012
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<210> 2013
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<212> DNA
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<223> n = A,T,C or G

<400> 2013
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<212> DNA
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<400> 2014
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<210> 2015
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<223> n = A,T,C or G

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<210> 2016
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<223> n = A,T,C or G

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<210> 2017
<211> 46
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<223> n = A,T,C or G

<400> 2017
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<210> 2018
<211> 59
<212> DNA
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<220>
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<223> n = A,T,C or G

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<210> 2019
<211> 56
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<220>
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<223> n = A,T,C or G

<400> 2019
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<210> 2020
<211> 50
<212> DNA
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 <223> n = A,T,C or G

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<210> 2021
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<220>
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 <223> n = A,T,C or G

<400> 2021
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<210> 2022
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 <212> DNA
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<220>
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<210> 2023
 <211> 52
 <212> DNA
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<220>
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 <222> (1)...(52)
 <223> n = A,T,C or G

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<210> 2024
 <211> 28
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 <223> n = A,T,C or G

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<210> 2025
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 <223> n = A,T,C or G

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25

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 <223> n = A,T,C or G

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28

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<400> 2027
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24

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49

<210> 2029
 <211> 55
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<220>
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55

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<210> 2031
<211> 52
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<223> n = A,T,C or G

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<210> 2032
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<210> 2033
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<400> 2033
cttatgcatg caactctcac ttcaccttga c      31

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<223> n = A,T,C or G

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<400> 2037
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<211> 42
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<223> n = A,T,C or G

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<212> DNA
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<211> 48

<212> DNA

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<212> DNA

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<223> n = A,T,C or G

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<210> 2048
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34

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34

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34

<210> 2052
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ttctaaatat ttattttgnc accagcgtca agacaa

36

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 <400> 2055
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 <211> 22
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598/598

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(58)

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